Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

Classification chimique internationale	Numéros CAS	Classification	Étiquetage	Catégories CMR				Classement CMR
				CARC.	MUTA.	REPR.	Lact.	
beryllium	7440-41-7	Carc. Cat. 2; R49 T+; R26 T; R25-48/23 Xi; R36/37/38 R43	R: 49-25-26-36/37/38-43-48/23 S: 53-45	C2				C2
beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex	-	Carc. Cat. 2; R49 T+; R26 T; R25-48/23 Xi; R36/37/38 R43 N; R51-53	R: 49-25-26-36/37/38-43-48/23-51/53 S: 53-45-61	C2				C2
beryllium oxide	1304-56-9	Carc. Cat. 2; R49 T+; R26 T; R25-48/23 Xi; R36/37/38 R43	R: 49-25-26-36/37/38-43-48/23 S: 53-45	C2				C2
dibutyltin hydrogen borate	75113-37-0	Muta. Cat. 3; R68 Repr. Cat. 2; R60-61 T; R48/25 Xn; R21/22 Xi; R41 R43 N; R50-53	R: 60-61-21/22-41-43-48/25-68-50/53 S: 53-45-60-61		M3	R2		M3 R2
boric acid; [1] boric acid [2]	10043-35-3 [1] 11113-50-1 [2]	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2
diboron trioxide; boric oxide	1303-86-2	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2
N ,*N* -dimethylanilinium tetrakis(pentafluorophenyl)borate	118612-00-3	Carc. Cat. 3; R40 Xn; R22 Xi; R38-41	R: 22-38-40-41 S: (2-)22-26-36/37/39	C3				C3
disodium tetraborate, anhydrous; boric acid, disodium salt; [1] tetraboron disodium heptaoxide, hydrate; [2] orthoboric acid, sodium salt [3]	1330-43-4 [1] 12267-73-1 [2] 13840-56-7 [3]	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2
disodium tetraborate decahydrate; borax decahydrate	1303-96-4	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2
disodium tetraborate pentahydrate; borax pentahydrate	12179-04-3	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2

sodium perborate; [1] perboric acid, sodium salt [2]	15120-21-5 [1] 7632-04-4 [2]	O; R8 Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R22 Xi; R37-41	R: 61-8-22-37-41-62 S: 53-45			R2		R2
sodium perborate; [1] perboric acid, sodium salt [2]	15120-21-5 [1] 7632-04-4 [2]	O; R8 Repr. Cat. 2; R61 Repr. Cat. 3; R62 T; R23 Xn; R22 Xi; R37-41	R: 61-8-22-23-37-41-62 S: 53-45			R2		R2
perboric acid (H3BO2(O2)), monosodium salt trihydrate; [1] perboric acid, sodium salt, tetrahydrate; [2] perboric acid (HBO(O2)), sodium salt, tetrahydrate [3] sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	13517-20-9 [1] 37244-98-7 [2] 10486-00-7 [3]	Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xi; R37-41	R: 61-37-41-62 S: 53-45-47			R2		R2
perboric acid (H3BO2(O2)), monosodium salt, trihydrate; [1] perboric acid, sodium salt, tetrahydrate; [2] perboric acid (HBO(O2)), sodium salt, tetrahydrate [3] sodium peroxoborate hexahydrate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	13517-20-9 [1] 37244-98-7 [2] 10486-00-7 [3]	Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R20 Xi; R37-41	R: 61-20-37-41-62 S: 53-45-47			R2		R2
carbon monoxide	630-08-0	F+; R12 Repr. Cat. 1; R61 T; R23-48/23	R: 61-12-23-48/23 S: 53-45			R1		R1
carbon disulphide	75-15-0	F; R11 Repr. Cat. 3; R62-63 T; R48/23 Xi; R36/38	R: 11-36/38-48/23-62-63 S: (1/2-)16-33-36/37-45			R3		R3
antu (ISO); 1-(1-naphthyl)-2-thiourea	86-88-4	T+; R28 Carc. Cat. 3; R40	R: 28-40 S: (1/2-)25-36/37-45	C3				C3
carbaryl (ISO); 1-naphthyl methylcarbamate	63-25-2	Carc. Cat. 3; R40 Xn; R20/22 N; R50	R: 20/22-40-50 S: (2-)36/37-46-61	C3				C3
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	Carc. Cat. 3; R40 Xn; R22-48/22 N; R50-53	R: 22-40-48/22-50/53 S: (2-)13-36/37-46-60-61	C3				C3
di-allate (ISO); *S*-(2,3-dichloroallyl)-*N*,*N*-diisopropylthiocarbamate	2303-16-4	Carc. Cat. 3; R40 Xn; R22 N; R50-53	R: 22-40-50/53 S: (2-)25-36/37-60-61	C3				C3

linuron (ISO); 3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea	330-55-2	Repr. Cat. 2; R61 Repr. Cat. 3; R62 Carc. Cat. 3; R40 Xn; R22-48/22 N; R50-53	R: 61-22-40-48/22-62-50/53 S: 53-45-60-61	C3		R2		C3 R2
sulfallate (ISO); 2-chloroallyl *N*,*N*-dimethyldithiocarbamate	95-06-7	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
dimethylcarbamoyl chloride	79-44-7	Carc. Cat. 2; R45 T; R23 Xn; R22 Xi; R36/37/38	R: 45-22-23-36/37/38 S: 53-45	C2				C2
monuron (ISO); 3-(4-chlorophenyl)-1,1-dimethylurea	150-68-5	Carc. Cat. 3; R40 Xn; R22 N; R50-53	R: 22-40-50/53 S: (2-)36/37-60-61	C3				C3
3-(4-chlorophenyl)-1,1-dimethyluronium trichloroacetate; monuron-TCA	140-41-0	Xi; R36/38 Carc. Cat. 3; R40 N; R50-53	R: 36/38-40-50/53 S: (2-)36/37-60-61	C3				C3
isoproturon (ISO); 3-(4-isopropylphenyl)-1,1-dimethylurea	34123-59-6	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
diazomethane	334-88-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
thiophanate-methyl (ISO); 1,2-di-(3-methoxycarbonyl-2-thioureido)benzene	23564-05-8	Muta. Cat. 3; R68 Xn; R20 R43 N; R50-53	R: 20-43-50/53-68 S: (2-)36/37-46-60-61		M3			M3
furmecyclox (ISO); *N*-cyclohexyl-*N*-methoxy-2,5-dimethyl-3-furamide	60568-05-0	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
mancozeb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric) complex with zinc salt	8018-01-7	Repr. Cat. 3; R63 R43 N; R50	R: 43-63-50 S: (2-)36/37-46-61			R3		R3
maneb (ISO); manganese ethylenebis(dithiocarbamate) (polymeric)	12427-38-2	Repr. Cat. 3; R63 Xn; R20 Xi; R36 R43 N; R50-53	R: 20-36-43-63-50/53 S: (2-)36/37-46-60-61			R3		R3
benfuracarb (ISO); ethyl *N*-[2,3-dihydro-2,2-dimethylbenzofuran-7-yloxycarbonyl(methyl)aminothio]-*N*-isopropyl- β-alaninate	82560-54-1	Repr. Cat. 3; R62 T; R23 Xn; R22 N; R50-53	R: 22-23-62-50/53 S: (1/2-)36/37-45-60-61			R3		R3

O-isobutyl-*N*-ethoxy carbonylthiocarbamate	103122-66-3	R10 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R22-48/22 R43 N; R51-53	R: 45-46-10-22-43-48/22-51/53 S: 53-45-61	C2	M2			C2 M2
chlorpropham (ISO); isopropyl 3-chlorocarbanilate	101-21-3	Carc. Cat. 3; R40 Xn; R48/22 N; R51-53	R: 40-48/22-51/53 S: (2-)36/37-61	C3				C3
O-hexyl-*N*-ethoxycarbonylthiocarbamate	-	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R22-48/22 R43 N; R51-53	R: 45-46-22-43-48/22-51/53 S: 53-45-61	C2	M2			C2 M2
hydrazine	302-01-2	R10 Carc. Cat. 2; R45 T; R23/24/25 C; R34 R43 N; R50-53	R: 45-10-23/24/25-34-43-50/53 S: 53-45-60-61	C2				C2
N,*N*-dimethylhydrazine	57-14-7	F; R11 Carc. Cat. 2; R45 T; R23/25 C; R34 N; R51-53	R: 45-11-23/25-34-51/53 S: 53-45-61	C2				C2
1,2-dimethylhydrazine	540-73-8	Carc. Cat. 2; R45 T; R23/24/25 N; R51-53	R: 45-23/24/25-51/53 S: 53-45-61	C2				C2
salts of hydrazine	-	Carc. Cat. 2; R45 T; R23/24/25 R43 N; R50-53	R: 45-23/24/25-43-50/53 S: 53-45-60-61	C2				C2
isobutyl nitrite	542-56-3	F; R11 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/22	R: 11-20/22-45-68 S: 53-45	C2	M3			C2 M3
hydrazobenzene; 1,2-diphenylhydrazine	122-66-7	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
hydrazine bis(3-carboxy-4-hydroxybenzensulfonate)	-	Carc. Cat. 2; R45 Xn; R22 C; R34 R43 R52-53	R: 45-22-34-43-52/53 S: 53-45-61	C2				C2

(4-hydrazinophenyl)-*N*-methylmethanesulfonamide hydrochloride	81880-96-8	Muta. Cat. 3; R68 T; R25-48/25 R43 N; R50-53	R: 25-43-48/25-68-50/53 S: (1/2-)22-36/37/39-45-60-61		M3			M3
hydroxylammonium nitrate	13465-08-2	E; R2 Carc. Cat. 3; R40 T; R24 Xn; R22-48/22 Xi; R36/38 R43 N; R50	R: 2-22-24-36/38-40-43-48/22-50 S: (1/2-)26-36/37-45-61	C3				C3
lead hexafluorosilicate	25808-74-6	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50-53	R: 61-62-20/22-33-50/53 S: 53-45-60-61			R1		R1
etacelasil (ISO); 6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane	37894-46-5	Repr. Cat. 2; R61 Xn; R22-48/22	R: 61-22-48/22 S: 53-45			R2		R2
flusilazole (ISO); bis(4-fluorophenyl)(methyl)(1*H*-1,2,4-triazol-1-ylmethyl)silane	85509-19-9	Carc. Cat. 3; R40 Repr. Cat. 2; R61 Xn; R22 N; R51-53	R: 61-22-40-51/53 S: 53-45-61	C3		R2		C3 R2
octamethylcyclotetrasiloxane	556-67-2	Repr. Cat. 3; R62 R53	R: 53-62 S: (2-)36/37-46-51-61			R3		R3
reaction mass of: 4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4*H*-1,2,4-triazole; 1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1*H*-1,2,4-triazole	-	Carc. Cat. 3; R40 Repr. Cat. 2; R61 Xn; R22 N; R51-53	R: 61-22-40-51/53 S: 53-45-61	C3		R2		C3 R2
O,*O*'-(ethenylmethylsilylene)di[(4-methylpentan-2-one)oxime]	156145-66-3	Repr. Cat. 3; R62 Xn; R22-48/22	R: 22-48/22-62 S: (2-)36/37			R3		R3
(4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane	105024-66-6	Repr. Cat. 2; R60 N; R50-53	R: 60-50/53 S: 53-45-60-61			R2		R2
tributyl phosphate	126-73-8	Carc. Cat. 3; R40 Xn; R22 Xi; R38	R: 22-38-40 S: (2-)36/37-46	C3				C3
phosphamidon (ISO); 2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate	13171-21-6	T+; R28 T; R24 Muta. Cat. 3; R68 N; R50-53	R: 24-28-50/53-68 S: (1/2-)23-36/37-45-60-61		M3			M3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

fenthion (ISO); *O* ,*O* -dimethyl-*O* -(4-methylthion-*m* -tolyl) phosphorothioate	55-38-9	Muta. Cat. 3; R68 T; R23-48/25 Xn; R21/22 N; R50-53	R: 21/22-23-48/25-68-50/53 S: (1/2-)36/37-45-60-61		M3			M3
monocrotophos (ISO); dimethyl-1-methyl-2-(methylcarbamoyl)vinyl phosphate	6923-22-4	Muta. Cat. 3; R68 T+; R26/28 T; R24 N; R50-53	R: 24-26/28-50/53-68 S: (1/2-)36/37-45-60-61		M3			M3
phoxim (ISO); α-(diethoxyphosphinothioylimino) phenylacetonitrile	14816-18-3	Repr. Cat. 3; R62 Xn; R22 R43 N; R50-53	R: 22-43-62-50/53 S: (2-)36/37-46-60-61			R3		R3
tris(2-chloroethyl)phosphate	115-96-8	Carc. Cat. 3; R40 Repr. Cat. 2; R60 Xn; R22 N; R51-53	R: 60-22-40-51/53 S: 53-45-61	C3		R2		C3 R2
hexamethylphosphoric triamide; hexamethylphosphoramide	680-31-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate	77182-82-2	Repr. Cat. 2; R60 Repr. Cat. 3; R63 Xn; R20/21/22-48/20/22	R: 60-20/21/22-48/20/22-63 S: 53-45			R2		R2
(*R*)-α-phenylethylammonium (-)-(1*R* , 2*S*)-(1,2-epoxypropyl)phosphonate monohydrate	25383-07-7	Repr. Cat. 3; R62 N; R51-53	R: 62-51/53 S: (2-)22-36/37-61			R3		R3
UVCB condensation product of: tetrakis-hydroxymethylphosphonium chloride, urea and distilled hydrogenated C_{16-18} tallow alkylamine	166242-53-1	Carc. Cat. 3; R40 Xn; R22-48/22 C; R34 R43 N; R50-53	R: 22-34-40-43-48/22-50/53 S: (1/2-)26-36/37/39-45-60-61	C3				C3
reaction mass of: dimethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; diethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate; methyl ethyl (2-(hydroxymethylcarbamoyl)ethyl)phosphonate	-	Carc. Cat. 2; R45 Muta. Cat. 2; R46 R43	R: 45-46-43 S: 53-45	C2	M2			C2 M2
(4-phenylbutyl)phosphinic acid	86552-32-1	Carc. Cat. 3; R40 Xi; R41	R: 40-41 S: (2-)23-26-36/37/39	C3				C3
tris[2-chloro-1-chloromethyl)ethyl] phosphate	13674-87-8	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
indium phosphide	22398-80-7	Carc. Cat. 2; R45 Repr. Cat. 3; R62 T; R48/23	R: 45–48/23–62 S: 45- 53	C2		R3		C2 R3
trixylyl phosphate	25155-23-1	Repr. Cat. 2; R60	R: 60 S: 53-45			R2		R2

diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	Repr. Cat. 3; R62	R: 62 S: (2)-22-36/37			R3		R3
dimethyl sulphate	77-78-1	Carc. Cat. 2; R45 Muta. Cat. 3; R68 T+; R26 T; R25 C; R34 R43	R: 45-25-26-34-43-68 S: 53-45	C2	M3			C2 M3
diethyl sulphate	64-67-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R20/21/22 C; R34	R: 45-46-20/21/22-34 S: 53-45	C2	M2			C2 M2
1,3-propanesultone; 1,2-oxathiolane 2,2-dioxide	1120-71-4	Carc. Cat. 2; R45 Xn; R21/22	R: 45-21/22 S: 53-45	C2				C2
dimethylsulfamoylchloride	13360-57-1	Carc. Cat. 2; R45 T+; R26 Xn; R21/22 C; R34	R: 45-21/22-26-34 S: 53-45	C2				C2
hexahydrocyclopenta[*c*]pyrrole-1-(1*H*)-ammonium *N*-ethoxycarbonyl-*N*-(*p*-tolylsulfonyl)azanide	-	Muta. Cat. 3; R68 Xn; R22 Xi; R36 R43 N; R51-53	R: 22-36-43-68-51/53 S: (2-)26-36/37-61		M3			M3
reaction mass of: 4,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol; 4,8-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol; 5,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol	-	Repr. Cat. 3; R62 Xi; R38 R43 N; R50-53	R: 38-43-62-50/53 S: (2-)36/37-60-61			R3		R3
reaction mass of: 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinol-4-yl-tris(6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate); 4-(7-hydroxy-2,4,4-trimethyl-2-chromanyl)resorcinolbis(6-diazo-5,6-dihydro-5-oxonaphthalen-1-sulfonate) (2:1)	140698-96-0	F; R11 Carc. Cat. 3; R40	R: 11-40 S: (2-)7-36/37	C3				C3
reaction mass of: reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalenesulfonate (1:2); Reaction product of 4,4'-methylenebis[2-(4-hydroxybenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxo-naphthalenesulfonate (1:3)	-	F; R11 Carc. Cat. 3; R40	R: 11-40 S: (2-)7-36/37	C3				C3
bis(η^5-cyclopentadienyl)-bis(2,6-difluoro-3-[pyrrol-1-yl]-phenyl)titanium	125051-32-3	F; R11 Repr. Cat. 3; R62 Xn; R48/22 N; R51-53	R: 11-48/22-62-51/53 S: (2-)7-22-33-36/37-61			R3		R3
potassium titanium oxide ($K_2Ti_6O_{13}$)	12056-51-8	Carc. Cat. 3; R40	R: 40 S: (2-)22-36/37	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

divanadium pentaoxide; vanadium pentoxide	1314-62-1	Muta. Cat. 3; R68 Repr. Cat. 3; R63 T; R48/23 Xn; R20/22 Xi; R37 N; R51-53	R: 20/22-37-48/23-51/53-63-68 S: (1/2-)36/37-38-45-61		M3	R3		M3 R3
chromium (VI) trioxide	1333-82-0	O; R9 Carc. Cat. 1; R45 Muta. Cat. 2; R46 Repr. Cat. 3; R62 T+; R26 T; R24/25-48/23 C; R35 R42/43 N; R50-53	R: 45-46-9-24/25-26-35-42/43-48/23-62-50/53 S: 53-45-60-61	C1	M2	R3		C1 M2 R3
potassium dichromate	7778-50-9	O; R8 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23 Xn; R21 C; R34 R42/43 N; R50-53	R: 45-46-60-61-8-21-25-26-34-42/43-48/23-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
ammonium dichromate	7789-09-5	E; R2 O; R8 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23 Xn; R21 C; R34 R42/43 N; R50-53	R: 45-46-60-61-2-8-21-25-26-34-42/43-48/23-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2

sodium dichromate	10588-01-9	O; R8 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23 Xn; R21 C; R34 R42/43 N; R50-53	R: 45-46-60-61-8-21-25-26-34-42/43-48/23-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
chromyl dichloride; chromic oxychloride	14977-61-8	O; R8 Carc. Cat. 2; R49 Muta. Cat. 2; R46 C; R35 R43 N; R50-53	R: 49-46-8-35-43-50/53 S: 53-45-60-61	C2	M2			C2 M2
potassium chromate	7789-00-6	Carc. Cat. 2; R49 Muta. Cat. 2; R46 Xi; R36/37/38 R43 N; R50-53	R: 49-46-36/37/38-43-50/53 S: 53-45-60-61	C2	M2			C2 M2
zinc chromates including zinc potassium chromate	-	Carc. Cat. 1; R45 Xn; R22 R43 N; R50-53	R: 45-22-43-50/53 S: 53-45-60-61	C1				C1
calcium chromate	13765-19-0	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
strontium chromate	7789-06-2	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
dichromium tris(chromate); chromium III chromate; chromic chromate	24613-89-6	O; R8 Carc. Cat. 2; R45 C; R35 R43 N; R50-53	R: 45-8-35-43-50/53 S: 53-45-60-61	C2				C2
trisodium bis(7-acetamido-2-(4-nitro-2-oxidophenylazo)-3-sulphonato-1-naphtholato)chromate(1-)	-	Muta. Cat. 3; R68	R: 68 S: (2-)22-36/37		M3			M3
Chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex	-	Carc. Cat. 2; R49 R43 N; R50-53	R: 49-43-50/53 S: 53-45-60-61	C2				C2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

sodium chromate	7775-11-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23 Xn; R21 C; R34 R42/43 N; R50-53	R: 45-46-60-61-21-25-26-34-42/43-48/23-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
cobalt dichloride	7646-79-9	Carc. Cat. 2; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R60 Xn; R22 R42/43 N; R50-53	R: 49-60-22-42/43-68-50/53 S: 53-45-60-61	C2	M3	R2		C2 M3 R2
cobalt sulfate	10124-43-3	Carc. Cat. 2; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R60 Xn; R22 R42/43 N; R50-53	R: 49-60-22-42/43-68-50/53 S: 53-45-60-61	C2	M3	R2		C2 M3 R2
cobalt di(acetate)	71-48-7	Carc. Cat. 2; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R60 R42/43 N; R50-53	R: 49-60-42/43-68-50/53 S: 53-45-60-61	C2	M3	R2		C2 M3 R2
cobalt dinitrate	10141-05-6	Carc. Cat. 2; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R60 R42/43 N; R50-53	R: 49-60-42/43-68-50/53 S: 53-45-60-61	C2	M3	R2		C2 M3 R2
cobalt carbonate	513-79-1	Carc. Cat. 2; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R60 R42/43 N; R50-53	R: 49-60-42/43-68-50/53 S: 53-45-60-61	C2	M3	R2		C2 M3 R2
tetracarbonylnickel; nickel tetracarbonyl	13463-39-3	F; R11 Carc. Cat. 3; R40 Repr. Cat. 2; R61 T+; R26 N; R50-53	R: 61-11-26-40-50/53 S: 53-45-60-61	C3		R2		C3 R2
nickel	7440-02-0	Carc. Cat. 3; R40 T; R48/23 R43	R: 40-43-48/23 S: (2-)36/37/39-45	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

nickel powder; [particle diameter < 1 mm]	7440-02-0	Carc. Cat. 3; R40 T; R48/23 R43 R52-53	R: 40-43-48/23-52/53 S: (2-)36/37/39-45-61	C3				C3
nickel monoxide; [1] nickel oxide; [2] bunsenite [3]	1313-99-1 [1] 11099-02-8 [2] 34492-97-2 [3]	Carc. Cat. 1; R49 T; R48/23 R43 R53	R: 49-43-48/23-53 S: 53-45-61	C1				C1
nickel dioxide	12035-36-8	Carc. Cat. 1; R49 T; R48/23 R43 R53	R: 49-43-48/23-53 S: 53-45-61	C1				C1
dinickel trioxide	1314-06-3	Carc. Cat. 1; R49 T; R48/23 R43 R53	R: 49-43-48/23-53 S: 53-45-61	C1				C1
nickel (II) sulfide; [1] nickel sulfide; [2] millerite [3]	16812-54-7 [1] 11113-75-0 [2] 1314-04-1 [3]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 T; R48/23 R43 N; R50-53	R: 49-43-48/23-68-50/53 S: 53-45-60-61	C1	M3			C1 M3
trinickel disulfide; nickel subsulfide; [1] heazlewoodite [2]	12035-72-2 [1] 12035-71-1 [2]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 T; R48/23 R43 N; R50-53	R: 49-43-48/23-68-50/53 S: 53-45-60-61	C1	M3			C1 M3
nickel dihydroxide; [1] nickel hydroxide [2]	12054-48-7 [1] 11113-74-9 [2]	Carc. Cat. 1; R49 Repr. Cat. 2; R61 Muta. Cat. 3; R68 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53	R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel sulfate	7786-81-4	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53	R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

nickel carbonate; basic nickel carbonate; carbonic acid, nickel (2+) salt; [1] carbonic acid, nickel salt; [2] [μ-[carbonato(2-)-*O* :*O* ']] dihydroxy trinickel; [3] [carbonato(2-)] tetrahydroxytrinickel [4]	3333-67-3 [1] 16337-84-1 [2] 65405-96-1 [3] 12607-70-4 [4]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53	R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel dichloride	7718-54-9	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R23/25-48/23 Xi; R38 R42/43 N; R50-53	R: 49-61-23/25-38-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel dinitrate; [1] nitric acid, nickel salt [2]	13138-45-9 [1] 14216-75-2 [2]	O; R8 Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 Xi; R38-41 R42/43 N; R50-53	R: 49-61-8-20/22-38-41-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel matte	69012-50-6	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate	92129-57-2	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 Xi; R38 R42/43 N; R50-53	R: 49-61-20/22-38-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
slimes and sludges, copper electrolyte refining, decopperised	94551-87-8	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 1; R61 Repr. Cat. 3; R62 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-62-68-50/53 S: 53-45-60-61	C1	M3	R1		C1 M3 R1

nickel diperchlorate; perchloric acid, nickel(II) salt	13637-71-3	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 C; R34 R42/43 N; R50-53	R: 49-61-34-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel dipotassium bis(sulfate); [1] diammonium nickel bis(sulfate) [2]	13842-46-1 [1] 15699-18-0 [2]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 R42/43 N; R50-53	R: 49-61-20/22-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel bis(sulfamidate); nickel sulfamate	13770-89-3	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel bis(tetrafluoroborate)	14708-14-6	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel diformate; [1] formic acid, nickel salt; [2] formic acid, copper nickel salt [3]	3349-06-2 [1] 15843-02-4 [2] 68134-59-8 [3]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel di(acetate); [1] nickel acetate [2]	373-02-4 [1] 14998-37-9 [2]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 Xn; R20/22 R42/43 N; R50-53	R: 49-61-20/22-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2

nickel dibenzoate	553-71-9	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel bis(4-cyclohexylbutyrate)	3906-55-6	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel(II) stearate; nickel(II) octadecanoate	2223-95-2	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel dilactate	16039-61-5	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel(II) octanoate	4995-91-9	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 C; R35 R42/43 N; R50-53	R: 49-61-35-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel difluoride; [1] nickel dibromide; [2] nickel diiodide; [3] nickel potassium fluoride [4]	10028-18-9 [1] 13462-88-9 [2] 13462-90-3 [3] 11132-10-8 [4]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel hexafluorosilicate	26043-11-8	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2

nickel selenate	15060-62-5	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel hydrogen phosphate; [1] nickel bis(dihydrogen phosphate); [2] trinickel bis(orthophosphate); [3] dinickel diphosphate; [4] nickel bis(phosphinate); [5] nickel phosphinate; [6] phosphoric acid, calcium nickel salt; [7] diphosphoric acid, nickel(II) salt [8]	14332-34-4 [1] 18718-11-1 [2] 10381-36-9 [3] 14448-18-1 [4] 14507-36-9 [5] 36026-88-7 [6] 17169-61-8 [7] 19372-20-4 [8]	Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53	R: 49-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
diammonium nickel hexacyanoferrate	74195-78-1	Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53	R: 49-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel dicyanide	557-19-7	Carc. Cat. 1; R49 T; R48/23 R42/43 R32 N; R50-53	R: 49-32-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel chromate	14721-18-7	Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53	R: 49-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel(II) silicate; [1] dinickel orthosilicate; [2] nickel silicate (3:4); [3] silicic acid, nickel salt; [4] trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-) [5]	21784-78-1 [1] 13775-54-7 [2] 31748-25-1 [3] 37321-15-6 [4] 12519-85-6 [5]	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
dinickel hexacyanoferrate	14874-78-3	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
trinickel bis(arsenate); nickel(II) arsenate	13477-70-8	Carc. Cat. 1; R45 T; R48/23 R43 N; R50-53	R: 45-43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel oxalate; [1] oxalic acid, nickel salt [2]	547-67-1 [1] 20543-06-0 [2]	Carc. Cat. 1; R49 T; R48/23 R43 N: R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1

nickel telluride	12142-88-0	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
trinickel tetrasulfide	12137-12-1	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
trinickel bis(arsenite)	74646-29-0	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
cobalt nickel gray periclase; C.I. Pigment Black 25; C.I. 77332; [1] cobalt nickel dioxide; [2] cobalt nickel oxide [3]	68186-89-0 [1] 58591-45-0 [2] 12737-30-3 [3]	Carc. Cat. 1; R49 T; R48/23 R43	R: 49-43-48/23 S: 53-45	C1				C1
nickel tin trioxide; nickel stannate	12035-38-0	Carc. Cat. 1; R49 T; R48/23 R43	R: 49-43-48/23 S: 53-45	C1				C1
nickel triuranium decaoxide	15780-33-3	Carc. Cat. 1; R49 T; R48/23 R43	R: 49-43-48/23 S: 53-45	C1				C1
nickel dithiocyanate	13689-92-4	Carc. Cat. 1; R49 Muta. Cat. 3;R68 Repr. Cat. 2; R61 T; R48/23 R42/43 R32 N; R50-53	R: 49-61-32-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel dichromate	15586-38-6	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel(II) selenite	10101-96-9	Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53	R: 49-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel selenide	1314-05-2	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

silicic acid, lead nickel salt	68130-19-8	Carc. Cat. 1: R49 Repr. Cat. 1: R61 Repr. Cat. 3; R62 T; R48/23 R43 N; R50-53	R: 49-61-43-48/23-62-50/53 S: 53-45-60-61	C1		R1		C1 R1
nickel diarsenide; [1] nickel arsenide [2]	12068-61-0 [1] 27016-75-7 [2]	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel barium titanium primrose priderite; C.I. Pigment Yellow 157; C.I. 77900	68610-24-2	Carc. Cat. 1: R49 T; R48/23 R43	R: 49-43-48/23 S: 53-45	C1				C1
nickel dichlorate; [1] nickel dibromate; [2] ethyl hydrogen sulfate, nickel(II) salt [3]	67952-43-6 [1] 14550-87-9 [2] 71720-48-4 [3]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2

nickel(II) trifluoroacetate; [1] nickel(II) propionate; [2] nickel bis(benzenesulfonate); [3] nickel(II) hydrogen citrate; [4] citric acid, ammonium nickel salt; [5] citric acid, nickel salt; [6] nickel bis(2-ethylhexanoate); [7] 2-ethylhexanoic acid, nickel salt; [8] dimethylhexanoic acid nickel salt; [9] nickel(II) isooctanoate; [10] nickel isooctanoate; [11] nickel bis(isononanoate); [12] nickel(II) neononanoate; [13] nickel(II) isodecanoate; [14] nickel(II) neodecanoate; [15] neodecanoic acid, nickel salt; [16] nickel(II) neoundecanoate; [17] bis(d-gluconato-*O* ^{1},*O* ^{2})nickel; [18] nickel 3,5-bis(*tert*-butyl)-4-hydroxybenzoate (1:2); [19] nickel(II) palmitate; [20] (2-ethylhexanoato-*O*)(isononanoato-*O*)nickel; [21] (isononanoato-*O*)(isooctanoato-*O*)nickel; [22] (isooctanoato-*O*)(neodecanoato-*O*)nickel; [23] (2-ethylhexanoato-*O*)(isodecanoato-*O*)nickel; [24] (2-ethylhexanoato-*O*)(neodecanoato-*O*)nickel; [25] (isodecanoato-*O*)(isooctanoato-*O*)nickel; [26] (isodecanoato-*O*)(isononanoato-*O*)nickel; [27] (isononanoato-*O*)(neodecanoato-*O*)nickel; [28] fatty acids, C_{6-19}-branched, nickel salts; [29] fatty acids, C_{8-18} and C_{18}-unsaturated, nickel salts; [30] 2,7-naphthalenedisulfonic acid, nickel(II) salt; [31]	16083-14-0 [1] 3349-08-4 [2] 39819-65-3 [3] 18721-51-2 [4] 18283-82-4 [5] 22605-92-1 [6] 4454-16-4 [7] 7580-31-6 [8] 93983-68-7 [9] 29317-63-3 [10] 27637-46-3 [11] 84852-37-9 [12] 93920-10-6 [13] 85508-43-6 [14] 85508-44-7 [15] 51818-56-5 [16] 93920-09-3 [17] 71957-07-8 [18] 52625-25-9 [19] 13654-40-5 [20] 85508-45-8 [21] 85508-46-9 [22] 84852-35-7 [23] 84852-39-1 [24] 85135-77-9 [25] 85166-19-4 [26] 84852-36-8 [27] 85551-28-6 [28] 91697-41-5 [29] 84776-45-4 [30] 72319-19-8 [31]	Carc. Cat. 1; R49 Muta. Cat. 3; R68 Repr. Cat. 2; R61 T; R48/23 R42/43 N; R50-53	R: 49-61-42/43-48/23-68-50/53 S: 53-45-60-61	C1	M3	R2		C1 M3 R2
nickel(II) sulfite; [1] nickel tellurium trioxide; [2] nickel tellurium tetraoxide; [3] molybdenum nickel hydroxide oxide phosphate [4]	7757-95-1 [1] 15851-52-2 [2] 15852-21-8 [3] 68130-36-9 [4]	Carc. Cat. 1; R49 T; R48/23 R42/43 N; R50-53	R: 49-42/43-48/23-50/53 S: 53-45-60-61	C1				C1
nickel boride (NiB); [1] dinickel boride; [2] trinickel boride; [3] nickel boride; [4] dinickel silicide; [5] nickel disilicide; [6] dinickel phosphide; [7] nickel boron phosphide [8]	12007-00-0 [1] 12007-01-1 [2] 12007-02-2 [3] 12619-90-8 [4] 12059-14-2 [5] 12201-89-7 [6] 12035-64-2 [7] 65229-23-4 [8]	Carc. Cat. 1; R49 T; R48/23 R43 N; R50-53	R: 49-43-48/23-50/53 S: 53-45-60-61	C1				C1

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

dialuminium nickel tetraoxide; [1] nickel titanium trioxide; [2] nickel titanium oxide; [3] nickel divanadium hexaoxide; [4] cobalt dimolybdenum nickel octaoxide; [5] nickel zirkonium trioxide; [6] molybdenum nickel tetraoxide; [7] nickel tungsten tetraoxide; [8] olivine, nickel green; [9] lithium nickel dioxide; [10] molybdenum nickel oxide; [11]	12004-35-2 [1] 12035-39-1 [2] 12653-76-8 [3] 52502-12-2 [4] 68016-03-5 [5] 70692-93-2 [6] 14177-55-0 [7] 14177-51-6 [8] 68515-84-4 [9] 12031-65-1 [10] 12673-58-4 [11]	Carc. Cat. 1; R49 T; R48/23 R43	R: 49-43-48/23 S: 53-45	C1				C1
cobalt lithium nickel oxide	-	Carc. Cat. 1; R49 T+; R26 T; R48/23 R43 N; R50-53	R: 49-26-43-48/23-50/53 S: 53-45-60-61	C1				C1
gallium arsenide	1303-00-0	Carc. Cat. 2; R45 T; R48/23	R: 45-48/23 S: 45-53	C2				C2
diarsenic trioxide; arsenic trioxide	1327-53-3	Carc. Cat. 1; R45 T+; R28 C; R34 N; R50-53	R: 45-28-34-50/53 S: 53-45-60-61	C1				C1
diarsenic pentaoxide; arsenic pentoxide; arsenic oxide	1303-28-2	Carc. Cat. 1; R45 T; R23/25 N; R50-53	R: 45-23/25-50/53 S: 53-45-60-61	C1				C1
arsenic acid and its salts with the exception of those specified elsewhere in this Annex	-	Carc. Cat. 1; R45 T; R23/25 N; R50-53	R: 45-23/25-50/53 S: 53-45-60-61	C1				C1
potassium bromate	7758-01-2	O; R9 Carc. Cat. 2; R45 T; R25	R: 45-9-25 S: 53-45	C2				C2
molybdenum trioxide	1313-27-5	Carc. Cat. 3; R40 Xi; R36/37	R: 36/37-40 S: (2-)22-36/37	C3				C3
cadmium (non-pyrophoric); [1] cadmium oxide (non-pyrophoric) [2]	7440-43-9 [1] 1306-19-0 [2]	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62-63 T+; R26 T; R48/23/25 N; R50-53	R: 45-26-48/23/25-62-63-68-50/53 S: 53-45-60-61	C2	M3	R3		C2 M3 R3

cadmium fluoride	7790-79-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23/25 N; R50-53	R: 45-46-60-61-25-26-48/23/25-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
cadmium chloride	10108-64-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23/25 N; R50-53	R: 45-46-60-61-25-26-48/23/25-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
cadmium sulphate	10124-36-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/23/25 N; R50-53	R: 45-46-60-61-25-26-48/23/25-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
cadmium sulphide	1306-23-6	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62-63 T; R48/23/25 Xn; R22 R53	R: 45-22-48/23/25-62-63-68-53 S: 53-45-61	C2	M3	R3		C2 M3 R3
cadmium (pyrophoric)	7440-43-9	F; R17 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62-63 T+; R26 T; R48/23/25 N; R50-53	R: 45-17-26-48/23/25-62-63-68-50/53 S: 53-45-7/8-43-60-61	C2	M3	R3		C2 M3 R3
fentin acetate (ISO); triphenyltin acetate	900-95-8	Carc. Cat. 3; R40 Repr. Cat. 3; R63 T+; R26 T; R24/25-48/23 Xi; R37/38-41 N; R50-53	R: 24/25-26-37/38-40-41-48/23-63-50/53 S: (1/2-)26-28-36/37/39-45-60-61	C3		R3		C3 R3
fentin hydroxide (ISO); triphenyltin hydroxide	76-87-9	Carc. Cat. 3; R40 Repr. Cat. 3; R63 T+; R26 T; R24/25-48/23 Xi; R37/38-41 N; R50-53	R: 24/25-26-37/38-40-41-48/23-63-50/53 S: (1/2-)26-28-36/37/39-45-60-61	C3		R3		C3 R3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

dibutyltin dichloride; (DBTC)	683-18-1	Muta. Cat. 3; R68 Repr. Cat. 2; R60-61 T+; R26 T; R25-48/25 C; R34 Xn; R21 N; R50-53	R: 60-61-21-25-26-34-48/25-68-50/53 S: 53-45-60-61		M3	R2		M3 R2
trichloromethylstannane	993-16-8	Repr. Cat. 3; R63	R: 63 S: (2-)22-36/37			R3		R3
2-ethylhexyl 10-ethyl-4-[[2-[(2- ethylhexyl)oxy]-2-oxoethyl]thio]- 4-methyl-7-oxo-8-oxa-3,5-dithia- 4-stannatetradecanoate	57583-34-3	Repr. Cat. 3; R63	R: 63 S: (2-)22-36/37			R3		R3
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	15571-58-1	Repr. Cat. 2; R61	R: 61 S: 45-43			R2		R2
antimony trioxide	1309-64-4	Carc. Cat. 3; R40	R: 40 S: (2-)22-36/37	C3				C3
mercury	7439-97-6	Repr. Cat. 2; R61 T+; R26 T; R48/23 N; R50-53	R: 61-26-48/23-50/53 S: 53-45-60-61			R2		R2
mercury dichloride; mercuric chloride	7487-94-7	Muta. Cat. 3; R68 Repr. Cat. 3; R62 T+; R28 T; R48/24/25 C; R34 N; R50-53	R: 28-34-48/24/25-62-68-50/53 S: (1/2-)26-36/37/39-45-60-61		M3	R3		M3 R3
lead compounds with the exception of those specified elsewhere in this Annex	-	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50-53	R: 61-20/22-33-62-50/53 S: 53-45-60-61			R1		R1
lead alkyls	-	Repr. Cat. 1; R61 Repr. Cat. 3; R62 T+; R26/27/28 R33 N; R50-53	R: 61-26/27/28-33-62-50/53 S: 53-45-60-61			R1		R1
lead diazide; lead azide	13424-46-9	E; R3 Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50-53	R: 61-3-20/22-33-50/53-62 S: 53-45-60-61			R1		R1

lead chromate	7758-97-6	Carc. Cat. 2; R45 Repr. Cat. 1; R61 Repr. Cat. 3; R62 R33 N; R50-53	R: 45-61-33-62-50/53 S: 53-45-60-61	C2		R1		C2 R1
lead di(acetate)	301-04-2	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R48/22 R33 N; R50-53	R: 61-33-48/22-50/53-62 S: 53-45-60-61			R1		R1
trilead bis(orthophosphate)	7446-27-7	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R48/22 R33 N; R50-53	R: 61-33-48/22-50/53-62 S: 53-45-60-61			R1		R1
lead acetate, basic	1335-32-6	Carc. Cat. 3; R40 Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R48/22 R33 N; R50-53	R: 61-33-40-48/22-50/53-62 S: 53-45-60-61	C3		R1		C3 R1
lead(II) methanesulphonate	17570-76-2	Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22-48/20/22 Xi; R38-41 N; R58 R33	R: 61-62-20/22-33-38-41-48/20/22-58 S: 53-45-57-61			R1		R1
lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]	1344-37-2	Carc. Cat. 2; R45 Repr. Cat. 1; R61 Repr. Cat. 3; R62 R33 N; R50-53	R: 45-61-33-62-50/53 S: 53-45-60-61	C2		R1		C2 R1
lead chromate molybdate sulfate red; C.I. Pigment Red 104; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77605.]	12656-85-8	Carc. Cat. 2; R45 Repr. Cat. 1; R61 Repr. Cat. 3; R62 R33 N; R50-53	R: 45-61-33-62-50/53 S: 53-45-60-61	C2		R1		C2 R1
lead hydrogen arsenate	7784-40-9	Carc. Cat. 1; R45 Repr. Cat. 1; R61 Repr. Cat. 3; R62 T; R23/25 R33 N; R50-53	R: 45-61-23/25-33-50/53-62 S: 53-45-60-61	C1		R1		C1 R1

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

butane (containing ≥ 0,1 % butadiene (203-450-8)); [1] isobutane (containing ≥ 0,1 % butadiene (203-450-8)) [2]	106-97-8 [1] 75-28-5 [2]	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
1,3-butadiene; buta-1,3-diene	106-99-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
isoprene (stabilised); 2-methyl-1,3-butadiene	78-79-5	F+; R12 Carc. Cat. 2; R45 Muta. Cat. 3; R68 R52-53	R: 45-12-68-52/53 S: 53-45-61	C2	M3			C2 M3
benzene	71-43-2	F; R11 Carc. Cat. 1; R45 Muta. Cat. 2; R46 T; R48/23/24/25 Xn; R65 Xi; R36/38	R: 45-46-11-36/38-48/23/24/25-65 S: 53-45	C1	M2			C1 M2
toluene	108-88-3	F; R11 Repr. Cat. 3; R63 Xn; R48/20-65 Xi; R38 R67	R: 11-38-48/20-63-65-67 S: (2-)36/37-46-62			R3		R3
benzo[*a*]pyrene; benzo[*def*]chrysene	50-32-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 R43 N; R50-53	R: 45-46-60-61-43-50/53 S: 53-45-60-61	C2	M2	R2		C2 M2 R2
benz[*a*]anthracene	56-55-3	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
benz[*e*]acephenanthrylene	205-99-2	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
benzo[*j*]fluoranthene	205-82-3	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
benzo[*k*]fluoranthene	207-08-9	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
n-hexane	110-54-3	F; R11 Repr. Cat. 3; R62 Xn; R65-48/20 Xi; R38 R67 N; R51-53	R: 11-38-48/20-62-65-67-51/53 S: (2-)9-16-29-33-36/37-61-62			R3		R3
dibenz[*a*,*h*]anthracene	53-70-3	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

chrysene	218-01-9	Carc. Cat. 2; R45 Muta. Cat. 3; R68 N; R50-53	R: 45-68-50/53 S: 53-45-60-61	C2	M3			C2 M3
benzo[*e*]pyrene	192-97-2	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
naphthalene	91-20-3	Carc. Cat. 3; R40 Xn; R22 N; R50-53	R: 22-40-50/53 S: (2-)36/37-46-60-61	C3				C3
nonylphenol; [1] 4-nonylphenol, branched [2]	25154-52-3 [1] 84852-15-3 [2]	Repr. Cat. 3; R62-63 Xn; R22 C; R34 N; R50-53	R: 22-34-62-63-50/53 S: (1/2-)26-36/37/39-45-46-60-61			R3		R3
triethyl arsenate	15606-95-8	Carc. Cat. 1; R45 T; R23/25 N; R50-53	R: 45-23/25-50/53 S: 53-45-60-61	C1				C1
4,4'-bis(*N* -carbamoyl-4-methylbenzenesulfonamide)diphenylmethane	151882-81-4	Carc. Cat. 3; R40	R: 40 S: (2-)22-36/37	C3				C3
chloromethane; methyl chloride	74-87-3	F+; R12 Carc. Cat. 3; R40 Xn; R48/20	R: 12-40-48/20 S: (2-)9-16-33	C3				C3
bromomethane; methylbromide	74-83-9	Muta. Cat. 3; R68 T; R23/25 Xn; R48/20 Xi; R36/37/38 N; R50 N; R59	R: 23/25-36/37/38-48/20-50-59-68 S: (1/2-)15-27-36/39-38-45-59-61		M3			M3
dichloromethane; methylene chloride	75-09-2	Carc. Cat. 3; R40	R: 40 S: (2-)23-24/25-36/37	C3				C3
methyl iodide; iodomethane	74-88-4	Carc. Cat. 3; R40 Xn; R21 T; R23/25 Xi; R37/38	R: 21-23/25-37/38-40 S: (1/2-)36/37-38-45	C3				C3
chloroform; trichloromethane	67-66-3	Carc. Cat. 3; R40 Repr. Cat. 3; R63 Xn; R20/22-48/20 Xi; R36/38	R: 20/22-36/38-40-48/20-63 S: (2-)36/37	C3		R3		C3 R3
carbon tetrachloride; tetrachloromethane	56-23-5	Carc. Cat. 3; R40 T; R23/24/25-48/23 N; R59 R52-53	R: 23/24/25-40-48/23-59-52/53 S: (1/2-)23-36/37-45-59-61	C3				C3
chloroethane	75-00-3	F+; R12 Carc. Cat. 3; R40 R52-53	R: 12-40-52/53 S: (2-)9-16-33-36/37-61	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

1,2-dibromoethane	106-93-4	Carc. Cat. 2; R45 T; R23/24/25 Xi; R36/37/38 N; R51-53	R: 45-23/24/25-36/37/38-51/53 S: 53-45-61	C2				C2
1,2-dichloroethane; ethylene dichloride	107-06-2	F; R11 Carc. Cat. 2; R45 Xn; R22 Xi; R36/37/38	R: 45-11-22-36/37/38 S: 53-45	C2				C2
1,1,2-trichloroethane	79-00-5	Carc. Cat. 3; R40 Xn; R20/21/22 R66	R: 20/21/22-40-66 S: (2-)9-36/37-46	C3				C3
pentachloroethane	76-01-7	Carc. Cat. 3; R40 T; R48/23 N; R51-53	R: 40-48/23-51/53 S: (1/2-)23-36/37-45-61	C3				C3
1-bromopropane; n-propyl bromide	106-94-5	F; R11 Repr. Cat. 2; R60 Repr. Cat. 3; R63 Xn; R48/20 Xi; R36/37/38 R67	R: 60-11-36/37/38-48/20-63-67 S: 53-45			R2		R2
1,2-dibromo-3-chloropropane	96-12-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 1; R60 T; R25 Xn; R48/20/22 R52-53	R: 45-46-60-25-48/20/22-52/53 S: 53-45-61	C2	M2	R1		C2 M2 R1
vinyl chloride; chloroethylene	75-01-4	F+; R12 Carc. Cat. 1; R45	R: 45-12 S: 53-45	C1				C1
bromoethylene	593-60-2	F+; R12 Carc. Cat. 2; R45	R: 45-12 S: 53-45	C2				C2
1,1-dichloroethylene; vinylidene chloride	75-35-4	F+; R12 Carc. Cat. 3; R40 Xn; R20	R: 12-20-40 S: (2-)7-16-29-36/37-46	C3				C3
trichloroethylene; trichloroethene	79-01-6	Carc. Cat. 2; R45 Muta. Cat. 3; R68 R67 Xi; R36/38 R52-53	R: 45-36/38-52/53-67 S: 53-45-61	C2	M3			C2 M3
tetrachloroethylene	127-18-4	Carc. Cat. 3; R40 N; R51-53	R: 40-51/53 S: (2-)23-36/37-61	C3				C3

3-chloropropene; allyl chloride	107-05-1	F; R11 Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R20/21/22-48/20 Xi; R36/37/38 N; R50	R: 11-20/21/22-36/37/38-40-48/20-68-50 S: (2-)16-25-26-36/37-46-61	C3	M3			C3 M3
1,4-dichlorobenzene; *p* -dichlorobenzene	106-46-7	Carc. Cat. 3; R40 Xi; R36 N; R50-53	R: 36-40-50/53 S: (2-)36/37-46-60-61	C3				C3
chloroprene (stabilised); 2-chlorobuta-1,3-diene (stabilised)	126-99-8	F; R11 Carc. Cat. 2; R45 Xn; R20/22-48/20 Xi; R36/37/38	R: 45-11-20/22-36/37/38-48/20 S: 53-45	C2				C2
α-chlorotoluene; benzyl chloride	100-44-7	Carc. Cat. 2; R45 T; R23 Xn; R22-48/22 Xi; R37/38-41	R: 45-22-23-37/38-41-48/22 S: 53-45	C2				C2
α,α,α-trichlorotoluene; benzotrichloride	98-07-7	Carc. Cat. 2; R45 T; R23 Xn; R22 Xi; R37/38-41	R: 45-22-23-37/38-41 S: 53-45	C2				C2
1,2,3,4,5,6-hexachlorcyclohexanes with the exception of those specified elsewhere in this Annex	-	Carc. Cat. 3; R40 T; R25 Xn; R21 N; R50-53	R: 21-25-40-50/53 S: (1/2-)22-36/37-45-60-61	C3				C3
lindane (ISO); γ-HCH or γ-BHC; γ-1,2,3,4,5,6-hexachlorocyclohexane	58-89-9	T; R25 Xn; R20/21-48/22 R64 N; R50-53	R: 20/21-25-48/22-64-50/53 S: (1/2-)36/37-45-60-61				LACT	LACT
camphechlor (ISO); toxaphene	8001-35-2	Carc. Cat. 3; R40 T; R25 Xn; R21 Xi; R37/38 N; R50-53	R: 21-25-37/38-40-50/53 S: (1/2-)36/37-45-60-61	C3				C3
DDT (ISO); clofenotane (INN); dicophane; 1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane; dichlorodiphenyltrichloroethane	50-29-3	T; R25-48/25 Carc. Cat. 3; R40 N; R50-53	R: 25-40-48/25-50/53 S: (1/2-)22-36/37-45-60-61	C3				C3
heptachlor (ISO); 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene	76-44-8	T; R24/25 Carc. Cat. 3; R40 R33 N; R50-53	R: 24/25-33-40-50/53 S: (1/2-)36/37-45-60-61	C3				C3

chlordane (ISO); 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan	57-74-9	Carc. Cat. 3; R40 Xn; R21/22 N; R50-53	R: 21/22-40-50/53 S: (2-)36/37-60-61	C3				C3
aldrin (ISO)	309-00-2	T; R24/25-48/24/25 Carc. Cat. 3; R40 N; R50-53	R: 24/25-40-48/24/25-50/53 S: (1/2-)22-36/37-45-60-61	C3				C3
dieldrin (ISO)	60-57-1	T+; R27 T; R25-48/25 Carc. Cat. 3; R40 N; R50-53	R: 25-27-40-48/25-50/53 S: (1/2-)22-36/37-45-60-61	C3				C3
bromoethane; ethyl bromide	74-96-4	F; R11 Carc. Cat. 3; R40 Xn; R20/22	R: 11-20/22-40 S: (2-)36/37	C3				C3
α,α-dichlorotoluene; benzylidene chloride; benzal chloride	98-87-3	Carc. Cat. 3; R40 T; R23 Xn; R22 Xi; R37/38-41	R: 22-23-37/38-40-41 S: (1/2-)36/37-38-45	C3				C3
1,2,3-trichloropropane	96-18-4	Carc. Cat. 2; R45 Repr. Cat. 2; R60 Xn; R20/21/22	R: 45-60-20/21/22 S: 53-45	C2		R2		C2 R2
heptachlor epoxide; 2,3-epoxy-1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindane	1024-57-3	T; R25 Carc. Cat. 3; R40 R33 N; R50-53	R: 25-33-40-50/53 S: (1/2-)36/37-45-60-61	C3				C3
1,3-dichloro-2-propanol	96-23-1	Carc. Cat. 2; R45 T; R25 Xn; R21	R: 45-21-25 S: 53-45	C2				C2
hexachlorobenzene	118-74-1	Carc. Cat. 2; R45 T; R48/25 N; R50-53	R: 45-48/25-50/53 S: 53-45-60-61	C2				C2
dichloroacetylene	7572-29-4	E; R2 Carc. Cat. 3; R40 Xn; R48/20	R: 2-40-48/20 S: (2-)36/37	C3				C3
1,4-dichlorobut-2-ene	764-41-0	Carc. Cat. 2; R45 T+; R26 T; R24/25 C; R34 N; R50-53	R: 45-24/25-26-34-50/53 S: 53-45-60-61	C2				C2
2,3,4-trichlorobut-1-ene	2431-50-7	Carc. Cat. 3; R40 T; R23 Xn; R22 Xi; R36/37/38 N; R50-53	R: 22-23-36/37/38-40-50/53 S: (1/2-)36/37-45-60-61	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

dodecachloropentacyclo[5.2.1.0^{2,6}.0^{3,9}.0^{5,8}]decane; mirex	2385-85-5	Carc. Cat. 3; R40 Repr. Cat. 3; R62-63 R64 Xn; R21/22 N; R50/53	R: 21/22-40-50/53-62-63-64 S: (2-)13-36/37-46-60-61	C3		R3	LACT	C3 R3 LACT
2,3-dichloropropene; 2,3-dichloropropylene	78-88-6	F; R11 Muta. Cat. 3; R68 Xn; R20/21/22 Xi; R37/38-41 R52-53	R: 11-20/21/22-37/38-41-52/53-68 S: (2-)9-16-23-26-36/37/39-61		M3			M3
alkanes, C_{10-13}, chloro; chlorinated paraffins, C_{10-13}	85535-84-8	Carc. Cat. 3; R40 R66 N; R50-53	R: 40-66-50/53 S: (2-)24-36/37-46-60-61	C3				C3
diphenyl ether, pentabromo derivative pentabromodiphenyl ether	32534-81-9	Xn; R48/21/22 R64 N; R50-53	R: 48/21/22-50/53-64 S: (1/2-)36/37-45-60-61				LACT	LACT
2-bromopropane	75-26-3	F; R11 Repr. Cat. 1; R60 Xn; R48/20 R66	R: 60-11-48/20-66 S: 53-45			R1		R1
trifluoroiodomethane; trifluoromethyl iodide	2314-97-8	Muta. Cat. 3; R68	R: 68 S: (2-)36/37		M3			M3
2,3-dibromopropan-1-ol; 2,3-dibromo-1-propanol	96-13-9	Carc. Cat. 2; R45 Repr. Cat. 3; R62 T; R24 Xn; R20/22 R52-53	R: 45-20/22-24-52/53-62 S: 53-45-61	C2		R3		C2 R3
1-bromo-3,4,5-trifluorobenzene	138526-69-9	R10 Carc. Cat. 3; R40 Xi; R38-41 N; R51-53	R: 10-38-40-41-51/53 S: (2-)23-26-36/37/39-61	C3				C3
α, α,α,4-tetrachlorotoluene; *p* -chlorobenzotrichloride	5216-25-1	Carc. Cat. 2; R45 Repr. Cat. 3; R62 T; R48/23 Xn; R21/22 Xi; R37/38	R: 45-21/22-37/38-48/23-62 S: 53-45	C2		R3		C2 R3
diphenylether; octabromo derivate	32536-52-0	Repr. Cat. 2; R61 Repr. Cat. 3; R62	R: 61-62 S: 53-45			R2		R2
alkanes, C_{14-17}, chloro; chlorinated paraffins, C_{14-17}	85535-85-9	R64 R66 N; R50-53	R: 64-66-50/53 S: (2-)24-60-61				LACT	LACT

malachite green hydrochloride; [1] malachite green oxalate [2]	569-64-2 [1] 2437-29-8 [2]	Repr. Cat. 3; R63 Xn; R22 Xi; R41 N; R50-53	R: 22-41-63-50/53 S: (2-)26-36/37-39-46-60-61			R3		R3
Hexabromocyclododecane [1] 1,2,5,6,9,10-hexabromocyclododecane [2]	25637-99-4[1] 3194-55-6[2]	Repr. Cat. 3; R63 R64	R: 63-64 S: 36/37-53			R3	LACT	R3 LACT
2-methoxyethanol; ethylene glycol monomethyl ether	109-86-4	R10 Repr. Cat. 2; R60-61 Xn; R20/21/22	R: 60-61-10-20/21/22 S: 53-45			R2		R2
2-ethoxyethanol; ethylene glycol monoethyl ether	110-80-5	R10 Repr. Cat. 2; R60-61 Xn; R20/22	R: 60-61-10-20/22 S: 53-45			R2		R2
furfuryl alcohol	98-00-0	Carc. Cat. 3; R40 T; R23 Xn; R21/22-48/20 Xi; R36/37	R: 21/22-23-36/37-40-48/20 S: (1/2-)36/37-45-63	C3				C3
ethylene oxide; oxirane	75-21-8	F+; R12 R6 Carc. Cat. 2; R45 Muta. Cat. 2; R46 T; R23 Xi; R36/37/38	R: 45-46-6-12-23-36/37/38 S: 53-45	C2	M2			C2 M2
1,4-dioxane	123-91-1	F; R11-19 Carc. Cat. 3; R40 Xi; R36/37 R66	R: 11-19-36/37-40-66 S: (2-)9-16-36/37-46	C3				C3
tetrahydrofuran	109-99-9	F; R11-19 Carc. Cat. 3; R40 Xi; R36/37	R: 11-19-40-36/37 S: (2-)(13-)16-29-33-36-37(-46)	C3				C3
1-chloro-2,3-epoxypropane; epichlorhydrin	106-89-8	R10 Carc. Cat. 2; R45 T; R23/24/25 C; R34 R43	R: 45-10-23/24/25-34-43 S: 53-45	C2				C2
bis(2-chloroethyl) ether	111-44-4	Carc. Cat. 3; R40 T+; R26/27/28	R: 26/27/28-40 S: (1/2-)7/9-27-28-36/37-45	C3				C3
1,2-dimethoxyethane; ethylene glycol dimethyl ether; EGDME	110-71-4	F; R11 R19 Repr. Cat. 2; R60 Repr. Cat. 2; R61 Xn; R20	R: 60-61-11-19-20 S: 53-45			R2		R2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

allyl glycidyl ether; allyl 2,3-epoxypropyl ether; prop-2-en-1-yl 2,3-epoxypropyl ether	106-92-3	R10 Carc. Cat. 3; R40 Muta. Cat. 3; R68 Repr. Cat. 3; R62 Xn; R20/22 Xi; R37/38-41 R43 R52-53	R: 10-20/22-37/38-40-41-43-52/53-62-68 S: (2-)24/25-26-36/37/39-61	C3	M3	R3		C3 M3 R3
butyl glycidyl ether; butyl 2,3-epoxypropyl ether	2426-08-6	R10 Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R20/22 Xi; R37 R43 R52-53	R: 10-20/22-37-40-43-52/53-68 S: (2-)24/25-36/37-61	C3	M3			C3 M3
bis(chloromethyl) ether; oxybis(chloromethane)	542-88-1	F; R11 Carc. Cat. 1; R45 T+; R26 T; R24 Xn; R22	R: 45-11-22-24-26 S: 53-45	C1				C1
propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	F+; R12 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R20/21/22 Xi; R36/37/38	R: 45-46-12-20/21/22-36/37/38 S: 53-45	C2	M2			C2 M2
[(*p*-tolyloxy)methyl]oxirane; [1] [(*m*-tolyloxy)methyl]oxirane; [2] 2,3-epoxypropyl *o*-tolyl ether; [3] [(tolyloxy)methyl]oxirane; cresyl glycidyl ether [4]	2186-24-5 [1] 2186-25-6 [2] 2210-79-9 [3] 26447-14-3 [4]	Muta. Cat. 3; R68 Xi; R38 R43 N; R51-53	R: 38-43-51/53-68 S: (2-)36/37-61		M3			M3
2,2'-bioxirane; 1,2:3,4-diepoxybutane	1464-53-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 T+; R26 T; R24/25 C; R34	R: 45-46-24/25-26-34 S: 53-45	C2	M2			C2 M2
2,3-epoxypropan-1-ol; glycidol; oxiranemethanol	556-52-5	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 2; R60 T; R23 Xn; R21/22 Xi; R36/37/38	R: 45-60-21/22-23-36/37/38-68 S: 53-45	C2	M3	R2		C2 M3 R2

resorcinol diglycidyl ether; 1,3-bis(2,3-epoxypropoxy)benzene	101-90-6	Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R21/22 Xi; R36/38 R43 R52-53	R: 21/22-36/38-40-43-52/53-68 S: (2-)23-36/37-61	C3	M3			C3 M3
1,2-epoxy-4-epoxyethylcyclohexane; 4-vinylcyclohexene diepoxide	106-87-6	Carc. Cat. 3; R40 T; R23/24/25	R: 23/24/25-40 S: (1/2-)36/37-45-63	C3				C3
phenyl glycidyl ether; 2,3-epoxypropyl phenyl ether; 1,2-epoxy-3-phenoxypropane	122-60-1	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20 Xi; R37/38 R43 R52-53	R: 45-20-37/38-43-68-52/53 S: 53-45-61	C2	M3			C2 M3
chlormethyl methyl ether; chlorodimethyl ether	107-30-2	F; R11 Carc. Cat. 1; R45 Xn; R20/21/22	R: 45-11-20/21/22 S: 53-45	C1				C1
styrene oxide; (epoxyethyl)benzene; phenyloxirane	96-09-3	Carc. Cat. 2; R45 Xn; R21 Xi; R36	R: 45-21-36 S: 53-45	C2				C2
1,2-epoxybutane	106-88-7	F; R11 Carc. Cat. 3; R40 Xn; R20/21/22 Xi; R36/37/38 R52-53	R: 11-20/21/22-36/37/38-40-52/53 S: (2-)9-16-29-36/37-61	C3				C3
fenarimol (ISO); 2,4'-dichloro-α-(pyrimidin-5-yl)benzhydryl alcohol	60168-88-9	Repr. Cat. 3; R62-63 R64 N; R51-53	R: 51/53-62-63-64 S: (2-)36/37-61			R3	LACT	R3 LACT
furan	110-00-9	F+; R12 R19 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/22-48/22 Xi; R38 R52-53	R: 45-12-19-20/22-38-48/22-68-52/53 S: 53-45-61	C2	M3			C2 M3
2-methoxypropanol	1589-47-5	R10 Repr. Cat. 2; R61 Xi; R37/38-41	R: 61-10-37/38-41 S: 53-45			R2		R2
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether	111-77-3	Repr. Cat. 3; R63	R: 63 S: (2-)36/37			R3		R3

6-glycidyloxynapht-1-yl oxymethyloxirane	27610-48-6	Muta. Cat. 3; R68 Xn; R21 Xi; R38 R43 R52-53	R: 21-38-43-68-52/53 S: (2-)36/37/39-61		M3			M3
4-[4-(1,3-dihydroxyprop-2-yl)phenylamino]-1,8-dihydroxy-5-nitroanthraquinone	114565-66-1	Carc. Cat. 3; R40 R43 R53	R: 40-43-53 S: (2-)36/37-61	C3				C3
bis(2-methoxyethyl) ether	111-96-6	R10 R19 Repr. Cat. 2; R60-61	R: 60-61-10-19 S: 53-45			R2		R2
R-2,3-epoxy-1-propanol	57044-25-4	E; R2 Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 2; R60 T; R23 Xn; R21/22 C; R34	R: 45-60-2-21/22-23-34-68 S: 53-45	C2	M3	R2		C2 M3 R2
2-(4-*tert*-butylphenyl)ethanol	5406-86-0	Repr. Cat. 3; R62 Xn; R48/22 Xi; R41 N; R51-53	R: 41-48/22-62-51/53 S: (2-)26-36/37/39-61			R3		R3
reaction mass of: 4-allyl-2,6-bis(2,3-epoxypropyl)phenol; 4-allyl-6-[3-[6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol; 4-allyl-6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol; 4-allyl-6-[3-[6-[3-(4-allyl-2,6-bis(2,3-epoxypropyl)phenoxy)-2-hydroxypropyl]-4-allyl-2-(2,3-epoxypropyl)phenoxy]-2-hydroxypropyl]-2-(2,3-epoxypropyl)phenol	-	Muta. Cat. 3; R68 R43	R: 43-68 S: (2-)36/37		M3			M3
R-1-chloro-2,3-epoxypropane	51594-55-9	R10 Carc. Cat. 2; R45 T; R23/24/25 C; R34 R43	R: 45-10-23/24/25-34-43 S: 53-45	C2				C2
1,2-bis(2-methoxyethoxy)ethane; TEGDME; triethylene glycol dimethyl ether; triglyme	112-49-2	R19 Repr. Cat. 2; R61 Repr. Cat. 3; R62	R: 61-19-62 S: 53-45			R2		R2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

2-(2-aminoethylamino)ethanol; (AEEA)	111-41-1	Repr. Cat. 2; R61 Repr. Cat. 3; R62 C; R34 R43	R: 61-34-43-62 S: 53-45			R2		R2
tebuconazole (ISO); 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	107534-96-3	Repr. Cat. 3; R63 Xn; R22 N; R51-53	R: 22-51/53-63 S: (2-)22-36/37-61			R3		R3
1,2-diethoxyethane	629-14-1	F; R11 R19 Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xi; R36	R: 61-11-19-36-62 S: 53-45			R2		R2
2,3-epoxypropyltrimethylammonium chloride ...%; glycidyl trimethylammonium chloride ...%	3033-77-0	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 Xn; R21/22-48/22 Xi; R41 R43 R52-53	R: 45-21/22-41-43-48/22-62-68-52/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride; [containing ≥ 0.1 % 4-chloroaniline (EC No 203-401-0)]	214353-17-0	Carc. Cat. 2; R45 Xn; R22 C; R34 N; R51-53	R: 45-22-34-51/53 S: 53-45-61	C2				C2
phenol; carbolic acid; monohydroxybenzene; phenylalcohol	108-95-2	Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34	R: 23/24/25-34-48/20/21/22-68 S: (1/2-)24/25-26-28-36/37/39-45		M3			M3
pentachlorophenol	87-86-5	Carc. Cat. 3; R40 T+; R26 T; R24/25 Xi; R36/37/38 N; R50-53	R: 24/25-26-36/37/38-40-50/53 S: (1/2-)22-36/37-45-52-60-61	C3				C3
sodium pentachlorophenolate; [1] potassium pentachlorophenolate [2]	131-52-2 [1] 7778-73-6 [2]	Carc. Cat. 3; R40 T+; R26 T; R24/25 Xi; R36/37/38 N; R50-53	R: 24/25-26-36/37/38-40-50/53 S: (1/2-)22-28-36/37-45-52-60-61	C3				C3
1,4-dihydroxybenzene; hydroquinone; quinol	123-31-9	Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R22 Xi; R41 R43 N; R50	R: 22-40-41-43-68-50 S: (2-)26-36/37/39-61	C3	M3			C3 M3

pyrogallol; 1,2,3-trihydroxybenzene	87-66-1	Muta. Cat. 3; R68 Xn; R20/21/22 R52-53	R: 20/21/22-68-52/53 S: (2-)36/37-61		M3			M3
2,4,6-trichlorophenol	88-06-2	Carc. Cat. 3; R40 Xn; R22 Xi; R36/38 N; R50-53	R: 22-36/38-40-50/53 S: (2-)36/37-60-61	C3				C3
4,4-isobutylethylidenediphenol	6807-17-6	Repr. Cat. 2; R60 Xi; R36 N; R50-53	R: 60-36-50/53 S: 53-45-60-61			R2		R2
4-amino-3-fluorophenol	399-95-1	Carc. Cat. 2; R45 Xn; R22 R43 N; R51-53	R: 45-22-43-51/53 S: 53-45-61	C2				C2
bisphenol A; 4,4'-isopropylidenediphenol	80-05-7	Repr. Cat. 3; R62 Xi; R37-41 R43 R52	R: 37-41-43-62-52 S: (2-)26-36/37-39-46-61			R3		R3
4-nitrosophenol	104-91-6	Muta. Cat. 3; R68 Xn; R22 Xi; R41 N; R51-53	R: 22-41-51/53-68 S: (2-)26-36/37/39-47-49-61		M3			M3
2,2'-((3,3',5,5'-tetramethyl-(1,1'-biphenyl)-4,4'-diyl)-bis(oxymethylene))-bis-oxirane	85954-11-6	Carc. Cat. 3; R40 R43	R: 40-43 S: (2-)22-36/37	C3				C3
2-(2-hydroxy-3,5-dinitroanilino)ethanol	99610-72-7	F; R11 Repr. Cat. 3; R62 Xn; R22	R: 11-22-62 S: (2-)22-33-36/37			R3		R3
(*E*)-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	82413-20-5	Carc. Cat. 3; R40 Repr. Cat. 2; R60 R43 N; R50-53	R: 60-40-43-50/53 S: 53-45-60-61	C3		R2		C3 R2
phenolphthalein	77-09-8	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62	R: 45-62-68 S: 53-45	C2	M3	R3		C2 M3 R3
4,4'-(1,3-phenylene-bis(1-methylethylidene))bis-phenol	13595-25-0	Repr. Cat. 3; R62 R43 N; R51-53	R: 43-62-51/53 S: (2-)22-36/37-61			R3		R3
2-chloro-6-fluoro-phenol	2040-90-6	Muta. Cat. 2; R46 Repr. Cat. 3; R62 Xn; R22 C; R34 R43 N; R51-53	R: 46-22-34-43-62-51/53 S: 53-45-61		M2	R3		M2 R3

2-methyl-5-*tert*-butylthiophenol	-	R10 Repr. Cat. 3; R63 Xn; R48/20/22-65 Xi; R36/38 R43 R67 N; R50-53	R: 10-36/38-43-48/20/22-63-65-67-50/53 S: (2-)26-36/37-62-60-61			R3		R3
formaldehyde … %	50-00-0	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43	R: 23/24/25-34-40-43 S: (1/2-)26-36/37/39-45-51	C3				C3
1,3,5-trioxan; trioxymethylene	110-88-3	F; R11 Repr. Cat. 3; R63 Xi; R37	R: 11-37-63 S: (2-)36/37-46			R3		R3
acetaldehyde; ethanal	75-07-0	F+; R12 Carc. Cat. 3; R40 Xi; R36/37	R: 12-36/37-40 S: (2-)16-33-36/37	C3				C3
crotonaldehyde; 2-butenal; [1] (*E*)-2-butenal; (*E*)-crotonaldehyde [2]	4170-30-3 [1] 123-73-9 [2]	F; R11 Muta. Cat. 3; R68 T+; R26 T; R24/25 Xn; R48/22 Xi; R37/38-41 N; R50	R: 11-24/25-26-37/38-41-48/22-50-68 S: (1/2-)26-28-36/37/39-45-61		M3			M3
2-furaldehyde	98-01-1	Carc. Cat. 3; R40 T; R23/25 Xn; R21 Xi; R36/37/38	R: 21-23/25-36/37/38-40 S: (1/2-)26-36/37-45	C3				C3
glyoxal … %; ethandial … %	107-22-2	Muta. Cat. 3; R68 Xn; R20 Xi; R36/38 R43	R: 20-36/38-43-68 S: (2-)36/37		M3			M3
safrole; 5-allyl-1,3-benzodioxole	94-59-7	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R22	R: 45-22-68 S: 53-45	C2	M3			C2 M3
chloroacetaldehyde	107-20-0	Carc. Cat. 3; R40 T+; R26 T; R24/25 C; R34 N; R50	R: 24/25-26-34-40-50 S: (1/2-)26-28-36/37/39-45-61	C3				C3
3,5,5-trimethylcyclohex-2-enone; isophorone	78-59-1	Carc. Cat. 3; R40 Xn; R21/22 Xi; R36/37	R: 21/22-36/37-40 S: (2-)13-23-36/37/39-46	C3				C3

chlordecone (ISO); perchloropentacyclo[5,3,0,$0^{2,6}$,$0^{3,9}$,$0^{4,8}$]decan-5-one; decachloropentacyclo[5,2,1,$0^{2,6}$,$0^{3,9}$,$0^{5,8}$]decan-4-one	143-50-0	Carc. Cat. 3; R40 T; R24/25 N; R50-53	R: 24/25-40-50/53 S: (1/2-)22-36/37-45-60-61	C3				C3
N-methyl-2-pyrrolidone; 1-methyl-2-pyrrolidone	872-50-4	Repr. Cat. 2; R61 Xi; R36/37/38	R: 61-36/37/38 S: 53-45			R2		R2
hexan-2-one; methyl butyl ketone; butyl methyl ketone; methyl-*n*-butyl ketone	591-78-6	R10 Repr. Cat. 3; R62 T; R48/23 R67	R: 10-48/23-62-67 S: (1/2-)36/37-45			R3		R3
3-propanolide; 1,3-propiolactone	57-57-8	Carc. Cat. 2; R45 T+; R26 Xi; R36/38	R: 45-26-36/38 S: 53-45	C2				C2
quinomethionate; chinomethionat (ISO); 6-methyl-1,3-dithiolo(4,5-*b*)quinoxalin-2-one	2439-01-2	Repr. Cat. 3; R62 Xn; R20/21/22-48/22 Xi; R36 R43 N; R50-53	R: 20/21/22-36-43-48/22-50/53-62 S: (2-)24-37-60-61			R3		R3
isoxaflutole (ISO); 5-cyclopropyl-1,2-oxazol-4-yl α, α,α-trifluoro-2-mesyl-*p*-tolyl ketone	141112-29-0	Repr. Cat. 3; R63 N; R50-53	R: 50/53-63 S: (2-)36/37-60-61			R3		R3
(3-chlorophenyl)-(4-methoxy-3-nitrophenyl)methanone	66938-41-8	Muta. Cat. 3; R68 N; R50-53	R: 68-50/53 S: (2-)22-36/37-60-61		M3			M3
tetrahydrothiopyran-3-carboxaldehyde	61571-06-0	Repr. Cat. 2; R61 Xi; R41 R52-53	R: 61-41-52/53 S: 53-45-61			R2		R2
butroxydim (ISO); 5-(3-butyryl-2,4,6-trimethylphenyl)-2-[1-(ethoxyimino)propyl]-3-hydroxycyclohex-2-en-1-one	138164-12-2	Repr. Cat. 3; R62-63 Xn; R22 Xi; R38 N; R50-53	R: 22-38-62-63-50/53 S: (2-)22-36/37-60-61			R3		R3
4,4'-bis(dimethylamino)benzophenone; Michler's ketone	90-94-8	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xi; R41	R: 45-41-68 S: 53-45	C2	M3			C2 M3
2-butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	94723-86-1	Repr. Cat. 2; R60 Xn; R22 R43 R52-53	R: 60-22-43-52/53 S: 53-45-61			R2		R2
profoxydim (ISO); 2-{(*EZ*)-1-[(2*RS*)-2-(4-chlorophenoxy)propoxyimino]butyl}-3-hydroxy-5-(thian-3-yl)cyclohex-2-en-1-one	139001-49-3	Carc. Cat. 3; R40 Repr. Cat. 3; R63 R43	R: 40-43-63 S: (2-)36/37-46	C3		R3		C3 R3
tepraloxydim (ISO); (*RS*)-(*EZ*)-2-{1-[(2*E*)-3-chloroallyloxyimino]propyl}-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one	149979-41-9	Carc. Cat. 3; R40 Repr. Cat. 3; R62-63	R: 40-62-63 S: (2-)36/37-46	C3		R3		C3 R3

cyclic 3-(1,2-ethanediylacetale)-estra-5(10),9(11)-diene-3,17-dione	5571-36-8	Repr. Cat. 2; R60 Xn; R48/22 N; R51-53	R: 60-48/22-51/53 S: 53-45-61			R2		R2
androsta-1,4,9(11)-triene-3,17-dione	15375-21-0	Repr. Cat. 3; R62	R: 62 S: (2-)22-36/37			R3		R3
abamectin (combination of avermectin B1a and avermectin B1b) (ISO) [1] avermectin B1a (purity ≥80%); [2]	71751-41-2 [1] 65195-55-3 [2]	Repr. Cat. 3; R63 T+; R26/28 T; R48/23/25 N; R50-53	R: 63-26/28-48/23/25-50/53 S: 28-36/37-45-60-61			R3		R3
sulcotrione (ISO); 2-[2-chloro-4-(methylsulfonyl)benzoyl]cyclohexane-1,3- dione	99105-77-8	Repr. Cat. 3; R63 Xn; R48/22 R43 N; R50-53	R: 43-48/22-63-50/53 S: (2-)22-36/37-60-61			R3		R3
vinyl acetate	108-05-4	F; R11 Carc. Cat. 3; R40 Xn; R20 Xi; R37	R: 11-20-37-40 S: 9-16-33-36/37	C3				C3
2-methoxyethyl acetate; methylglycol acetate	110-49-6	Repr. Cat. 2; R60-61 Xn; R20/21/22	R: 60-61-20/21/22 S: 53-45			R2		R2
2-ethoxyethyl acetate; ethylglycol acetate	111-15-9	R10 Repr. Cat. 2; R60-61 Xn; R20/21/22	R: 60-61-10-20/21/22 S: 53-45			R2		R2
warfarin (ISO); [1] (*S*)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone; [2] (*R*)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone [3]	81-81-2 [1] 5543-57-7 [2] 5543-58-8 [3]	Repr. Cat. 1; R61 T; R48/25 R52-53	R: 61-48/25-52/53 S: 53-45-61			R1		R1
urethane (INN); ethyl carbamate	51-79-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
propargite (ISO); 2-(4-*tert* -butylphenoxy) cyclohexyl prop-2-ynyl sulphite	2312-35-8	Carc. Cat. 3; R40 T; R23 Xi; R38-41 N; R50-53	R: 23-38-40-41-50/53 S: (1/2-)26-36/37/39-45-60-61	C3				C3
methyl acrylamidomethoxyacetate (containing ≥ 0,1 % acrylamid)	77402-03-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R22 Xi; R36	R: 45-46-22-36 S: 53-45	C2	M2			C2 M2
2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate	80387-97-9	Repr. Cat. 2; R61 R43 R52-53	R: 61-43-52/53 S: 53-45-61			R2		R2
methyl acrylamidoglycolate (containing ≥ 0,1 % acrylamide)	77402-05-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 C; R34 R43	R: 45-46-34-43 S: 53-45	C2	M2			C2 M2
bis(2-methoxyethyl) phthalate	117-82-8	Repr. Cat. 2; R61 Repr. Cat. 3; R62	R: 61-62 S: 53-45			R2		R2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

diethylcarbamoyl chloride	88-10-8	Carc. Cat. 3; R40 Xn; R20/22 Xi; R36/37/38	R: 20/22-36/37/38-40 S: (2-)26-36/37	C3				C3
2-ethylhexanoic acid	149-57-5	Repr. Cat. 3; R63	R: 63 S: (2-)36/37			R3		R3
2-methoxypropyl acetate	70657-70-4	R10 Repr. Cat. 2; R61 Xi; R37	R: 61-10-37 S: 53-45			R2		R2
1-cyclopropyl-6,7-difluoro-1,4-dihydro-4-oxoquinoline-3-carboxylic acid	93107-30-3	Repr. Cat. 3; R62 R52-53	R: 62-52/53 S: (2-)22-36/37-61			R3		R3
fluazifop-butyl (ISO); butyl (*RS*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	69806-50-4	Repr. Cat. 2; R61 N; R50-53	R: 61-50/53 S: 53-45-60-61			R2		R2
fluazifop-P-butyl (ISO); butyl (*R*)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	79241-46-6	Repr. Cat. 3; R63 N; R50-53	R: 50/53-63 S: (2-)29-36/37-46-60-61			R3		R3
chlozolinate (ISO); ethyl (*RS*)-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxo-oxazolidine-5-carboxylate	84332-86-5	Carc. Cat. 3; R40 N; R51-53	R: 40-51/53 S: (2-)36/37-61	C3				C3
vinclozolin (ISO); *N*-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	50471-44-8	Carc. Cat. 3; R40 Repr. Cat. 2; R60-61 R43 N; R51-53	R: 60-61-40-43-51/53 S: 53-45-61	C3		R2		C3 R2
kresoxim-methyl (ISO); methyl (*E*)-2-methoxyimino-[2-(*o*-tolyloxymethyl)phenyl]acetate	143390-89-0	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
methoxyacetic acid	625-45-6	Repr. Cat. 2; R60-61 Xn; R22 C; R34	R: 60-61-22-34 S: 53-45			R2		R2
bis(2-ethylhexyl) phthalate; di-(2-ethylhexyl) phthalate; DEHP	117-81-7	Repr. Cat. 2; R60-61	R: 60-61 S: 53-45			R2		R2
dibutyl phthalate; DBP	84-74-2	Repr. Cat. 2; R61 Repr. Cat. 3; R62 N; R50	R: 61-50-62 S: 53-45-61			R2		R2
(*S*)-2,3-dihydro-1*H*-indole-2-carboxylic acid	79815-20-6	Repr. Cat. 3; R62 Xn; R48/22 R43	R: 43-48/22-62 S: (2-)22-25-26-36/37			R3		R3
(±) tetrahydrofurfuryl (*R*)-2-[4-(6-chloroquinoxalin-2-yloxy)phenyloxy]propionate	119738-06-6	Muta. Cat. 3; R68 Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R22-48/22 N; R50-53	R: 61-22-48/22-62-68-50/53 S: 53-45-60-61		M3	R2		M3 R2

benzyl 2,4-dibromobutanoate	23085-60-1	Repr. Cat. 3; R62 Xi; R38 R43 N; R50-53	R: 38-43-62-50/53 S: (2-)23-36/37-41-60-61			R3		R3
trans -4-cyclohexyl-L-proline monohydrochloride	90657-55-9	Repr. Cat. 3; R62 Xn; R22 Xi; R38-41 R43	R: 22-38-41-43-62 S: (2-)22-26-36/37/39			R3		R3
reaction mass of: Ca salicylates (branched C_{10-14} and C_{18-30} alkylated); Ca phenates (branched C_{10-14} and C_{18-30} alkylated); Ca sulfurised phenates (branched C_{10-14} and C_{18-30} alkylated)	-	Repr. Cat. 3; R62 R43	R: 43-62 S: (2-)23-36/37			R3		R3
oxiranemethanol, 4-methylbenzene-sulfonate, (*S*)-	70987-78-9	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xi; R41 R43 N; R51-53	R: 45-41-43-68-51/53 S: 53-45-61	C2	M3			C2 M3
trans-4-phenyl-L-proline	96314-26-0	Repr. Cat. 3; R62 R43	R: 43-62 S: (2-)22-36/37			R3		R3
1,2-benzenedicarboxylic acid, dipentylester, branched and linear; [1] n-pentyl-isopentylphthalate; [2] di-n-pentyl phthalate; [3] diisopentylphthalate [4]	84777-06-0 [1] - [2] 131-18-0 [3] 605-50-5 [4]	Repr. Cat. 2; R60-61 N; R50	R: 60-61-50 S: 53-45-61			R2		R2
bromoxynil heptanoate (ISO); 2,6-dibromo-4-cyanophenyl heptanoate	56634-95-8	Repr. Cat. 3; R63 Xn; R20/22 R43 N; R50-53	R: 20/22-43-63-50/53 S: (2-)36/37-46-60-61			R3		R3
BBP; benzyl butyl phthalate	85-68-7	Repr. Cat. 2; R61 Repr. Cat. 3; R62 N; R50-53	R: 61-62-50/53 S: 53-45-60-61			R2		R2
1,2-benzenedicarboxylic acid; di-C_{7-11}-branched and linear alkylesters	68515-42-4	Repr. Cat. 2; R61 Repr. Cat. 3; R62	R: 61-62 S: 53-45			R2		R2
1,2-benzenedicarboxylic acid; di-C_{6-8}-branched alkylesters, C_7-rich	71888-89-6	Repr. Cat. 2; R61	R: 61 S: 53-45			R2		R2
reaction mass of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate; trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate	-	Repr. Cat. 2; R61 R52-53	R: 61-52/53 S: 53-45-61			R2		R2

reaction mass of: diester of 4,4'-methylenebis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulfonic acid (1:2); triester of 4,4'-methylenebis[2-(2-hydroxy-5-methylbenzyl)-3,6-dimethylphenol] and 6-diazo-5,6-dihydro-5-oxonaphthalene-1-sulfonic acid (1:3)	-	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
diammonium 1-hydroxy-2-(4-(4-carboxyphenylazo)-2,5-dimethoxyphenylazo)-7-amino-3-naphthalenesulfonate	-	Repr. Cat. 3; R62 T; R25 Xn; R48/22 N; R50-53	R: 25-48/22-62-50/53 S: (1/2-)36/37-45-60-61			R3		R3
3-oxoandrost-4-ene-17-β-carboxylic acid	302-97-6	Repr. Cat. 3; R62 R53	R: 62-53 S: (2-)36/37-61			R3		R3
(*Z*)-2-methoxymino-2-[2-(tritylamino)thiazol-4-yl]acetic acid	64485-90-1	E; R2 Carc. Cat. 3; R40 R52-53	R: 2-40-52/53 S: (2-)23-25-35-36/37-61	C3				C3
trisodium nitrilotriacetate	5064-31-3	Carc. Cat. 3; R40 Xn; R22 Xi; R36	R: 22-36-40 S: (2-)26-36/37-46	C3				C3
2-ethylhexyl-2-ethylhexanoate	7425-14-1	Repr. Cat. 3; R63	R: 63 S: (2-)36/37			R3		R3
diisobutyl phthalate	84-69-5	Repr. Cat. 2; R61 Repr. Cat. 3; R62	R: 61-62 S: 53-45			R2		R2
perfluorooctane sulfonic acid; heptadecafluorooctane-1-sulfonic acid; [1] potassium perfluorooctanesulfonate; potassium heptadecafluorooctane-1-sulfonate; [2] diethanolamine perfluorooctane sulfonate; [3] ammonium perfluorooctane sulfonate; ammonium heptadecafluorooctanesulfonate; [4] lithium perfluorooctane sulfonate; lithium heptadecafluorooctanesulfonate [5]	1763-23-1 [1] 2795-39-3 [2] 70225-14-8 [3] 29081-56-9 [4] 29457-72-5 [5]	Carc. Cat. 3; R40 Repr. Cat. 2; R61 T; R48/25 Xn; R20/22 R64 N; R51-53	R: 61-20/22-40-48/25-64-51/53 S: 53-45-61	C3		R2	LACT	C3 R2 LACT
ethyl 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1*H*-1,2,4-triazole-3-carboxylate	103112-35-2	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
1-bromo-2-methylpropyl propionate	158894-67-8	R10 Carc. Cat. 3; R40 C; R34 R43	R: 10-34-40-43 S: (1/2-)7/9-8-23-26-36/37/39-45	C3				C3
chloro-1-ethylcyclohexyl carbonate	99464-83-2	Muta. Cat. 3; R68 R43	R: 43-68 S: (2-)23-36/37		M3			M3
6,6'-bis(diazo-5,5',6,6'-tetrahydro-5,5'-dioxo)[methylene-bis(5-(6-diazo-5,6-dihydro-5-oxo-1-naphthylsulphonyloxy)-6-methyl-2-phenylene]di(naphthalene-1-sulfonate)	-	E; R2 F; R11 Carc. Cat. 3; R40	R: 2-11-40 S: (2-)7-22-36/37	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

4-tert-butylbenzoic acid	98-73-7	Repr. Cat. 2; R60 T; R48/23/24/25 Xn; R22	R: 60-22-48/23/24/25 S: 53-45			R2		R2
bifenthrin (ISO); (2-methylbiphenyl-3-yl)methyl rel-(1R,3R)-3-[(1Z)-2-chloro- 3,3,3-trifluoroprop-1-en-1-yl]- 2,2-dimethylcyclopropanecarboxylate	82657-04-3	Carc. Cat. 3; R40 T; R23/25 Xn; R48/22 R43 N; R50-53	R: 23/25-40-43-48/22-50/53 S: (1/2-)23-24-36/37-38-45-60-61	C3				C3
dihexyl phthalate	84-75-3	Repr. Cat. 2; R60-61	R: 60-61 S: 45-53	C2				C2
ammoniumpentadeca- fluorooctanoate	3825-26-1	Carc. Cat. 3; R40 Repr. Cat. 2; R61 R64 T; R48/23 Xn; R20/22-48/21/22 Xi; R41	R: 61-20/22-40-41-48/23-48/21/22-64 S: 45-53	C3		R2	LACT	C3 R2 LACT
perfluorooctanoic acid	335-67-1	Carc. Cat. 3; R40 Repr. Cat. 2; R61 R64 T; R48/23 Xn; R20/22-48/21/22 Xi; R41	R: 61-20/22-40-41-48/23-48/21/22-64 S: 45-53	C3		R2	LACT	C3 R2 LACT
acrylonitrile	107-13-1	F; R11 Carc. Cat. 2; R45 T; R23/24/25 Xi; R37/38-41 R43 N; R51-53	R: 45-11-23/24/25-37/38-41-43-51/53 S:	C2				C2
bromoxynil (ISO); 3,5-dibromo-4-hydroxybenzonitrile; bromoxynil phenol	1689-84-5	Repr. Cat. 3; R63 T+; R26 T; R25 R43 N; R50-53	R: 25-26-43-63-50/53 S: (1/2-)27/28-36/37-45-63-60-61			R3		R3
ioxynil (ISO); 4-hydroxy-3,5-diiodobenzonitrile	1689-83-4	Repr. Cat. 3; R63 T; R23/25 Xn; R21-48/22 Xi; R36 N; R50-53	R: 21-23/25-36-48/22-63-50/53 S: (1/2-)36/37-45-60-61-63			R3		R3
chlorothalonil (ISO); tetrachloroisophthalonitrile	1897-45-6	Carc. Cat. 3; R40 T+; R26 Xi; R37-41 R43 N; R50-53	R: 26-37-40-41-43-50/53 S: (1/2-)28-36/37/39-45-60-61	C3				C3

bromoxynil octanoate (ISO); 2,6-dibromo-4-cyanophenyl octanoate	1689-99-2	Repr. Cat. 3; R63 T; R23 Xn; R22 R43 N; R50-53	R: 22-23-43-63-50/53 S: (1/2-)36/37-45-63-60-61			R3		R3
ioxynil octanoate (ISO); 4-cyano-2,6-diiodophenyl octanoate	3861-47-0	Repr. Cat. 3; R63 T; R25 Xi; R36 R43 N; R50-53	R: 25-36-43-63-50/53 S: (1/2-)26-36/37-45-60-61			R3		R3
salts of bromoxynil with the exception of those specified elsewhere in this Annex	-	Repr. Cat. 3; R63 T+; R26 T; R25 R43 N; R50-53	R: 25-26-43-50/53 S: (1/2-)27/28-36/37-45-63-60-61			R3		R3
salts of ioxynil with the exception of those specified elsewhere in this Annex	-	Repr. Cat. 3; R63 T; R23/25 Xn; R21-48/22 Xi; R36 N; R50-53	R: 21-23/25-36-48/22-63-50/53 S: (1/2-)36/37-45-63-60-61			R3		R3
2-nitropropane	79-46-9	R10 Carc. Cat. 2; R45 Xn; R20/22	R: 45-10-20/22 S: 53-45	C2				C2
nitrobenzene	98-95-3	Carc. Cat. 3; R40 Repr. Cat. 2; R60 T; R23/24/25-48/23/24/25 R51-53	R: 23/24/25-48/23/24/25-40-60-52/53 S: 45-53	C3		R2		C3 R2
2,4-dinitrotoluene; [1] dinitrotoluene [2]	121-14-2 [1] 25321-14-6 [2]	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 N; R50-53	R: 45-23/24/25-48/22-62-68-50/53 S: 53-45-60-61	C2	M3	R3		C2 M3 R3
lead 2,4,6-trinitro-*m*-phenylene dioxide; lead 2,4,6-trinitroresorcinoxide; lead styphnate	15245-44-0	E; R3 Repr. Cat. 1; R61 Repr. Cat. 3; R62 Xn; R20/22 R33 N; R50-53	R: 61-3-20/22-33-50/53-62 S: 53-45-60-61			R1		R1

DNOC (ISO); 4,6-dinitro-*o*-cresol	534-52-1	Muta. Cat. 3; R68 T+; R26/27/28 Xi; R38-41 R43 R44 N; R50-53	R: 26/27/28-38-41-43-44-50/53-68 S: (1/2-)36/37-45-60-61		M3			M3
dinocap (ISO); (*RS*)-2,6-dinitro-4-octylphenyl crotonates and (*RS*)-2,4-dinitro-6-octylphenyl crotonates in which “octyl” is a reaction mass of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups	39300-45-3	Repr. Cat. 2; R61 Xn; R20/22-48/22 Xi; R38 R43 N; R50-53	R: 61-20/22-38-43-48/22-50/53 S: 53-45-60-61			R2		R2
binapacryl (ISO); 2-*sec*-butyl-4,6-dinitrophenyl-3-methylcrotonate	485-31-4	Repr. Cat. 2; R61 Xn; R21/22 N; R50-53	R: 61-21/22-50/53 S: 53-45-60-61			R2		R2
dinoseb (ISO); 6-*sec*-butyl-2,4-dinitrophenol	88-85-7	R44 T; R24/25 Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xi; R36 N; R50-53	R: 61-62-24/25-36-44-50/53 S: 53-45-60-61			R2		R2
salts and esters of dinoseb, with the exception of those specified elsewhere in this Annex	-	R44 Repr. Cat. 2; R61 Repr. Cat. 3; R62 T; R24/25 Xi; R36 N; R50-53	R: 61-62-24/25-36-44-50/53 S: 53-45-60-61			R2		R2
dinoterb (ISO); 2-*tert*-butyl-4,6-dinitrophenol	1420-07-1	Repr. Cat. 2; R61 T+; R28 T; R24 R44 N; R50-53	R: 61-24-28-44-50/53 S: 53-45-60-61			R2		R2
salts and esters of dinoterb	-	Repr. Cat. 2; R61 T+; R28 T; R24 N; R50-53	R: 61-24-28-50/53 S: 45-53-60-61			R2		R2
5-nitroacenaphthene	602-87-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
2-nitronaphthalene	581-89-5	Carc. Cat. 2; R45 N; R51-53	R: 45-51/53 S: 53-45-61	C2				C2
4-nitrobiphenyl	92-93-3	Carc. Cat. 2; R45 N; R51-53	R: 45-51/53 S: 53-45-61	C2				C2

nitrofen (ISO); 2,4-dichlorophenyl 4-nitrophenyl ether	1836-75-5	Carc. Cat. 2; R45 Repr. Cat. 2; R61 Xn; R22 N; R50-53	R: 45-61-22-50/53 S: 53-45-60-61	C2		R2		C2 R2
trifluralin (ISO) (containing < 0.5 ppm NPDA); α,α,α-trifluoro-2,6-dinitro-*N* ,*N* -dipropyl-*p* -toluidine (containing < 0.5 ppm NPDA); 2,6-dinitro-*N* ,*N* -dipropyl-4-trifluoromethylaniline (containing < 0.5 ppm NPDA); *N* ,*N* -dipropyl-2,6-dinitro-4-trifluoromethylaniline (containing < 0.5 ppm NPDA)	1582-09-8	Carc. Cat. 3; R40 R43 N; R50-53	R: 40-43-50/53 S: (2-)36/37-46-60-61	C3				C3
2-nitroanisole	91-23-6	Carc. Cat. 2; R45 Xn; R22	R: 45-22 S: 53-45	C2				C2
2,6-dinitrotoluene	606-20-2	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 R52-53	R: 45-23/24/25-48/22-62-68-52/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
2,3-dinitrotoluene	602-01-7	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 N; R50-53	R: 45-23/24/25-48/22-62-68-50/53 S: 53-45-60-61	C2	M3	R3		C2 M3 R3
3,4-dinitrotoluene	610-39-9	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 N; R51-53	R: 45-23/24/25-48/22-62-68-51/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
3,5-dinitrotoluene	618-85-9	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 R52-53	R: 45-23/24/25-48/22-62-68-52/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
hydrazine-trinitromethane	-	E; R3 O; R8 Carc. Cat. 2; R45 T; R23/25 R43	R: 45-3-8-23/25-43 S: 53-45	C2				C2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

2,5-dinitrotoluene	619-15-8	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R23/24/25 Xn; R48/22 N; R51-53	R: 45-23/24/25-48/22-62-68-51/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
2,2-dibromo-2-nitroethanol	69094-18-4	E; R2 Carc. Cat. 3; R40 Xn; R22-48/22 C; R35 R43 N; R50-53	R: 2-22-35-40-43-48/22-50/53 S: (1/2-)23-26-36/37/39-45-60-61	C3				C3
2-nitrotoluene	88-72-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 3; R62 Xn; R22 N; R51-53	R: 45-46-22-62-51/53 S: 53-45-61	C2	M2	R3		C2 M2 R3
musk xylene; 5-*tert*-butyl-2,4,6-trinitro-*m*-xylene	81-15-2	E; R2 Carc. Cat. 3; R40 N; R50-53	R: 2-40-50/53 S: (2-)36/37-46-60-61	C3				C3
musk ketone; 3,5-dinitro-2,6-dimethyl-4-*tert*-butylacetophenone; 4'-*tert*-butyl-2',6'-dimethyl-3',5'-dinitroacetophenone	81-14-1	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-46-60-61	C3				C3
4-mesyl-2-nitrotoluene	1671-49-4	Repr. Cat. 3; R62 Xn; R22 R43 R52-53	R: 22-43-62-52/53 S: (2-)22-36/37-61			R3		R3
1-chloro-4-nitrobenzene	100-00-5	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 N; R51-53	R: 23/24/25-40-48/20/21/22-68-51/53 S: (1/2-)28-36/37-45-61	C3	M3			C3 M3
azobenzene	103-33-3	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/22-48/22 N; R50-53	R: 45-20/22-48/22-68-50/53 S: 53-45-60-61	C2	M3			C2 M3
methyl-*O* NN-azoxymethyl acetate; methyl azoxy methyl acetate	592-62-1	Carc. Cat. 2; R45 Repr. Cat. 2; R61	R: 45-61 S: 53-45	C2		R2		C2 R2
disodium {}{5-[(4'-((2,6-hydroxy-3-((2-hydroxy-5-sulphophenyl)azo)phenyl)azo)(1,1'-biphenyl)-4-yl)azo]salicylato(4-)}}cuprate(2-); CI Direct Brown 95	16071-86-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

4-*o*-tolylazo-*o*-toluidine; 4-amino-2',3-dimethylazobenzene; fast garnet GBC base; AAT; *o*-aminoazotoluene	97-56-3	Carc. Cat. 2; R45 R43	R: 45-43 S: 53-45	C2				C2
4-aminoazobenzene; 4-phenylazoaniline	60-09-3	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
Benzidine based azo dyes; 4,4'-diarylazobiphenyl dyes, with the exception of those specified elsewhere in this Annex	-	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphtalene-2,7-disulphonate; C.I. Direct Black 38	1937-37-7	Carc. Cat. 2; R45 Repr. Cat. 3; R63	R: 45-63 S: 53-45	C2	R3			C2 R3
tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]; C.I. Direct Blue 6	2602-46-2	Carc. Cat. 2; R45 Repr. Cat. 3; R63	R: 45-63 S: 53-45	C2	R3			C2 R3
disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate); C.I. Direct Red 28	573-58-0	Carc. Cat. 2; R45 Repr. Cat. 3; R63	R: 45-63 S: 53-45	C2	R3			C2 R3
o-dianisidine based azo dyes; 4,4'-diarylazo-3,3'-dimethoxybiphenyl dyes with the exception of those mentioned elsewhere in this Annex	-	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
o-tolidine based dyes; 4,4'-diarylazo-3,3'-dimethylbiphenyl dyes, with the exception of those mentioned elsewhere in this Annex	-	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
4,4'-(4-iminocyclohexa-2,5-dienylidenemethylene)dianiline hydrochloride; C.I. Basic Red 9	569-61-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
1,4,5,8-tetraaminoanthraquinone; C.I. Disperse Blue 1	2475-45-8	Carc. Cat. 2; R45 Xi; R38-41 R43	R: 45-38-41-43 S: 53-45	C2				C2
C.I. Disperse Yellow 3; *N*-[4-[(2-hydroxy-5-methylphenyl)azo]phenyl]acetamide	2832-40-8	Carc. Cat. 3; R40 R43	R: 40-43 S: (2-)22-36/37-46	C3				C3
C.I. Solvent Yellow 14; 1-phenylazo-2-naphthol	842-07-9	Carc. Cat. 3; R40 Muta. Cat. 3; R68 R43 R53	R: 40-43-53-68 S: (2-)22-36/37-46-61	C3	M3			C3 M3
6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	85136-74-9	Carc. Cat. 2; R45 R53	R: 45-53 S: 53-45-61	C2				C2
(6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diyl)bis[(amino-1-methylethyl)ammonium] formate	108225-03-2	Carc. Cat. 2; R45 Xi; R41 N; R51-53	R: 45-41-51/53 S: 53-45-61	C2				C2

trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-*O*,*O*',*O*'',*O*''']copper(II)	164058-22-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
(methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diyl)))-1,1'-dipyridinium dichloride dihydrochloride	118658-99-4	Carc. Cat. 2; R45 N; R51-53	R: 45-51/53 S: 53-45-61	C2				C2
reaction mass of: 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-2-[(3-phosphonophenyl)azo]benzoic acid; 5-[(4-[(7-amino-1-hydroxy-3-sulfo-2-naphthyl)azo]-2,5-diethoxyphenyl)azo]-3-[(3-phosphonophenyl)azo]benzoic acid	163879-69-4	E; R2 Repr. Cat. 3; R62 Xn; R48/22 R43 N; R51-53	R: 2-43-48/22-62-51/53 S: (2-)26-35-36/37-61			R3		R3
2-[2-hydroxy-3-(2-chlorophenyl)carbamoyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbamoyl-1-naphthylazo]fluoren-9-one	151798-26-4	Repr. Cat. 2; R61 R53	R: 61-53 S: 53-45-61			R2		R2
2-{}{4-(2-ammoniopropylamino)-6-[4-hydroxy-3-(5-methyl-2-methoxy-4-sulfamoylphenylazo)-2-sulfonatonaphth-7-ylamino]-1,3,5-triazin-2-ylamino}}-2-aminopropyl formate	-	Repr. Cat. 3; R62 Xi; R41 N; R51-53	R: 41-62-51/53 S: (2-)22-26-36/37/39-61			R3		R3
azafenidin (ISO); 2-(2,4-dichloro-5-prop-2-ynyloxyphenyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2*H*)-one	68049-83-2	Repr. Cat. 2; R61 Repr. Cat. 3; R62 Xn; R48/22 N; R50-53	R: 61-48/22-62-50/53 S: 53-45-60-61			R2		R2
chrysoidine; 4-(phenylazo)benzene-1,3-diamine	495-54-5	Muta. Cat. 3; R68 Xn; R22 Xi; R38 N; R50-53	R: 22-38-68-50/53 S: (2-)23-26-36/37-46-60-61		M3			M3
chrysoidine monohydrochloride; 4-phenylazophenylene-1,3-diamine monohydrochloride; [1] chrysoidine monoacetate; 4-(phenylazo)benzene-1,3-diamine monoacetate; [2] chrysoidine acetate; 4-(phenylazo)benzene-1,3-diamine acetate; [3] chrysoidine-*p*-dodecylbenzenesulfonate; dodecylbenzenesulfonic acid, compound with 4-(phenylazo)benzene-1,3-diamine (1:1); [4] chrysoidine dihydrochloride; 4-(phenylazo)benzene-1,3-diamine dihydrochloride; [5] chrysoidine sulfate; bis[4-(phenylazo)benzene-1,3-diamine] sulfate [6]	532-82-1 [1] 75660-25-2 [2] 79234-33-6 [3] 63681-54-9 [4] 83968-67-6 [5] 84196-22-5 [6]	Muta. Cat. 3; R68 Xn; R22 Xi; R38-41 N; R50-53	R: 22-38-41-68-50/53 S: (2-)23-26-36/37/39-46-60-61		M3			M3

chrysoidine C_{10-14}-alkyl derivatives; benzenesulfonic acid, mono-C_{10-14}-alkyl derivatives, compounds with 4-(phenylazo)-1,3-benzenediamine; [1] chrysoidine compound with dibutylnaphthalene sulfonic acid; dibutylnaphthalenesulfonic acid, compound with 4-(phenylazo)benzene-1,3-diamine (1:1) [2]	85407-90-5 [1] 94247-67-3 [2]	Muta. Cat. 3; R68 Xn; R22 Xi; R38-41	R: 22-38-41-68 S: (2-)23-26-36/37/39-46		M3			M3
triammonium 4-[4-[7-(4-carboxylatoanilino)-1-hydroxy-3-sulfonato-2-naphthylazo]-2,5-dimethoxyphenylazo]benzoate	221354-37-6	Repr. Cat. 3; R62 Xn; R48/22 N; R51-53	R: 48/22-62-51/53 S: (2-)36/37-61			R3		R3
reaction mass of: triammonium 6-amino-3-((2,5-diethoxy-4-(3-phosphonophenyl)azo)phenyl)azo-4-hydroxy-2-naphthalenesulfonate; diammonium 3-((4-((7-amino-1-hydroxy-3-sulfo-naphthalen-2-yl)azo)-2,5-diethoxyphenyl)azo)benzoate	-	E; R2 Repr. Cat. 3; R62 Xn; R22-48/22 R52-53	R: 2-22-48/22-62-52/53 S: (2-)22-35-36/37-61			R3		R3
aniline	62-53-3	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R23/24/25-48/23/24/25 Xi; R41 R43 N; R50	R: 23/24/25-40-41-43-48/23/24/25-68-50 S: (1/2-)26-27-36/37/39-45-46-61-63	C3	M3			C3 M3
salts of aniline	-	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R23/24/25-48/23/24/25 Xi; R41 R43 N; R50	R: 23/24/25-40-41-43-48/23/24/25-68-50 S: (1/2-)26-27-36/37/39-45-61-63	C3	M3			C3 M3
N,*N*-dimethylaniline	121-69-7	Carc. Cat. 3; R40 T; R23/24/25 N; R51-53	R: 23/24/25-40-51/53 S: (1/2-)28-36/37-45-61	C3				C3
2-naphthylamine	91-59-8	Carc. Cat. 1; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C1				C1
phenylhydrazine; [1] phenylhydrazinium chloride; [2] phenylhydrazine hydrochloride; [3] phenylhydrazinium sulphate (2:1) [4]	100-63-0 [1] 59-88-1 [2] 27140-08-5 [3] 52033-74-6 [4]	Carc. Cat. 2; R45 Muta. Cat. 3; R68 T; R23/24/25-48/23/24/25 Xi; R36/38 R43 N; R50	R: 45-23/24/25-36/38-43-48/23/24/25-68-50 S: 53-45-61	C2	M3			C2 M3
2-aminophenol	95-55-6	Xn; R20/22 Muta. Cat. 3; R68	R: 20/22-68 S: (2-)28-36/37		M3			M3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

2-methoxyaniline; *o* -anisidine	90-04-0	Carc. Cat. 2; R45 Muta. Cat. 3; R68 T; R23/24/25	R: 45-23/24/25-68 S: 53-45	C2	M3			C2 M3
3,3'-dimethoxybenzidine; *o* -dianisidine	119-90-4	Carc. Cat. 2; R45 Xn; R22	R: 45-22 S: 53-45	C2				C2
salts of 3,3'-dimethoxybenzidine; salts of *o* -dianisidine	-	Carc. Cat. 2; R45 Xn; R22	R: 45-22 S: 53-45	C2				C2
4,4'-bi-*o* -toluidine	119-93-7	Carc. Cat. 2; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C2				C2
benzidine; 1,1'-biphenyl-4,4'-diamine; 4,4'-diaminobiphenyl; biphenyl-4,4'-ylenediamine	92-87-5	Carc. Cat. 1; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C1				C1
N ,*N* '-diacetylbenzidine	613-35-4	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R20/21/22	R: 45-20/21/22-68 S: 53-45	C2	M3			C2 M3
cyclohexylamine	108-91-8	R10 Repr. Cat. 3; R62 Xn; R21/22 C; R34	R: 10-21/22-34-62 S: (1/2-)26-36/37/39-45			R3		R3
4,4'-diaminodiphenylmethane; 4,4'-methylenedianiline	101-77-9	Carc. Cat. 2; R45 Muta. Cat. 3; R68 T; R39/23/24/25 Xn; R48/20/21/22 R43 N; R51-53	R: 45-39/23/24/25-43-48/20/21/22-68-51/53 S: 53-45-61	C2	M3			C2 M3
piperazine; [solid]	110-85-0	Repr. Cat. 3; R62-63 C; R34 R42/43	R: 34-42/43-62-63 S: (1/2-)22-26-36/37/39-45			R3		R3
piperazine; [liquid]	110-85-0	Repr. Cat. 3; R62-63 C; R34 R42/43	R: 34-42/43-62-63 S: (1/2-)23-26-36/37/39-45			R3		R3
3,3'-dichlorobenzidine; 3,3'-dichlorobiphenyl-4,4'-ylenediamine	91-94-1	Carc. Cat. 2; R45 Xn; R21 R43 N; R50-53	R: 45-21-43-50/53 S: 53-45-60-61	C2				C2
salts of 3,3'-dichlorobenzidine; salts of 3,3'-dichlorobiphenyl-4,4'-ylenediamine	-	Carc. Cat. 2; R45 Xn; R21 R43 N; R50-53	R: 45-21-43-50/53 S: 53-45-60-61	C2				C2

salts of benzidine [	531-85-1 531-86-2 21136-70-9 36341-27-2	Carc. Cat. 1; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C1				C1
salts of 2-naphthylamine	553-00-4 612-52-2	Carc. Cat. 1; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C1				C1
biphenyl-4-ylamine; xenylamine; 4-aminobiphenyl	92-67-1	Carc. Cat. 1; R45 Xn; R22	R: 45-22 S: 53-45	C1				C1
salts of biphenyl-4-ylamine; salts of xenylamine; salts of 4-aminobiphenyl	-	Carc. Cat. 1; R45 Xn; R22	R: 45-22 S: 53-45	C1				C1
dimethylnitrosoamine; *N* -nitrosodimethylamine	62-75-9	Carc. Cat. 2; R45 T+; R26 T; R25-48/25 N; R51-53	R: 45-25-26-48/25-51/53 S: 53-45-61	C2				C2
2,2'-dichloro-4,4'-methylenedianiline; 4,4'-methylene bis(2-chloroaniline)	101-14-4	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
salts of 2,2'-dichloro-4,4'-methylenedianiline; salts of 4,4'-methylenebis(2-chloroaniline)	-	Carc. Cat. 2; R45 Xn; R22 N; R50-53	R: 45-22-50/53 S: 53-45-60-61	C2				C2
salts of 4,4'-bi-*o* -toluidine; salts of 3,3'-dimethylbenzidine; salts of *o* -tolidine	612-82-8 64969-36-4 74753-18-7	Carc. Cat. 2; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C2				C2
thiourea; thiocarbamide	62-56-6	Carc. Cat. 3; R40 Repr. Cat. 3; R63 Xn; R22 N; R51-53	R: 22-40-51/53-63 S: (2-)36/37-61	C3		R3		C3 R3
1-methyl-3-nitro-1-nitrosoguanidine	70-25-7	Carc. Cat. 2; R45 Xn; R20 Xi; R36/38 N; R51-53	R: 45-20-36/38-51/53 S: 53-45-61	C2				C2
4,4'-methylenedi-*o* -toluidine	838-88-0	Carc. Cat. 2; R45 Xn; R22 R43 N; R50-53	R: 45-22-43-50/53 S: 53-45-60-61	C2				C2
simazine (ISO); 6-chloro-*N* ,*N* '-diethyl-1,3,5-triazine-2,4-diamine	122-34-9	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-46-60-61	C3				C3
1,5-naphthylenediamine	2243-62-1	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

2,2'-(nitrosoimino)bisethanol	1116-54-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
o -toluidine; 2-aminotoluene	95-53-4	Carc. Cat. 2; R45 T; R23/25 Xi; R36 N; R50	R: 45-23/25-36-50 S: 53-45-61	C2				C2
4,4'-carbonimidoylbis[*N* ,*N* -dimethylaniline]	492-80-8	Carc. Cat. 3; R40 Xn; R22 Xi; R36 N; R51-53	R: 22-36-40-51/53 S: (2-)36/37-61	C3				C3
salts of 4,4'-carbonimidoylbis[*N* ,*N* -dimethylaniline]	-	Carc. Cat. 3; R40 Xn; R22 Xi; R36 N; R51-53	R: 22-36-40-51/53 S: (2-)36/37-61	C3				C3
nitrosodipropylamine	621-64-7	Carc. Cat. 2; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C2				C2
4-methyl-*m* -phenylenediamine; 2,4-toluenediamine	95-80-7	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R25 Xn; R21-48/22 R43 N; R51-53	R: 45-21-25-43-48/22-62-68-51/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
2-methyl-*m* -phenylenediamine; 2,6-toluenediamine	823-40-5	Muta. Cat. 3; R68 Xn; R21/22 R43 N; R51-53	R: 21/22-43-51/53-68 S: (2-)24-36/37-61		M3			M3
aclonifen (ISO); 2-chloro-6-nitro-3-phenoxyaniline	74070-46-5	Carc. Cat. 3; R40 R43 N; R50-53	R: 40-43-50/53 S: (2-)36/37-60-61	C3				C3
hydroxylamine ....% [> 55 % in aqueous solution]	7803-49-8	E; R2 Carc. Cat. 3; R40 Xn; R21/22-48/22 Xi; R37/38-41 R43 N; R50	R: 2-21/22-37/38-40-41-43-48/22-50 S: (2-)26-36/37/39-61	C3				C3
hydroxylamine ...% [≤ 55% in aqueous solution]	7803-49-8	R5 Carc. Cat. 3; R40 Xn; R21/22-48/22 Xi; R37/38-41 R43 N; R50	R: 5-21/22-37/38-40-41-43-48/22-50 S: (2-)26-36/37/39-46-61	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

hydroxylammonium chloride; hydroxylamine hydrochloride; [1] bis(hydroxylammonium) sulfate; hydroxylamine sulfate (2:1) [2]	5470-11-1 [1] 10039-54-0 [2]	E; R2 Carc. Cat. 3; R40 Xn; R21/22-48/22 Xi; R36/38 R43 N; R50	R: 2-21/22-36/38-40-43-48/22-50 S: (2-)36/37-61	C3				C3
toluene-2,4-diammonium sulphate; 4-methyl-m-phenylenediamine sulfate	65321-67-7	Carc. Cat. 2; R45 T; R25 Xn; R21 Xi; R36 R43 N; R51-53	R: 45-21-25-36-43-51/53 S: 53-45-61	C2				C2
4-aminophenol	123-30-8	Muta. Cat. 3; R68 Xn; R20/22 N; R50-53	R: 20/22-50/53-68 S: (2-)28-36/37-60-61		M3			M3
N-2-naphthylaniline; *N*-phenyl-2-naphthylamine	135-88-6	Carc. Cat. 3; R40 Xi; R36/38 R43 N; R51-53	R: 36/38-40-43-51/53 S: (2-)26-36/37-61	C3				C3
4-chloroaniline	106-47-8	Carc. Cat. 2; R45 T; R23/24/25 R43 N; R50-53	R: 45-23/24/25-43-50/53 S: 53-45-60-61	C2				C2
4,4'-methylenebis(2-ethylaniline); 4,4'-methylenebis(2-ethylbenzeneamine)	19900-65-3	Carc. Cat. 3; R40 Xn; R22 N; R50-53	R: 22-40-50/53 S: (2-)36/37-60-61	C3				C3
biphenyl-2-ylamine	90-41-5	Carc. Cat. 3; R40 Xn; R22 R52-53	R: 22-40-52/53 S: (2-)36/37-61	C3				C3
o-phenylenediamine	95-54-5	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R25 Xn; R20/21 Xi; R36 R43 N; R50-53	R: 20/21-25-36-40-43-50/53-68 S: (1/2-)28-36/37-45-60-61	C3	M3			C3 M3
o-phenylenediamine dihydrochloride	615-28-1	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R25 Xn; R20/21 Xi; R36 R43 N; R50-53	R: 20/21-25-36-40-43-50/53-68 S: (1/2-)28-36/37-45-60-61	C3	M3			C3 M3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

m-phenylenediamine	108-45-2	Muta. Cat. 3; R68 T; R23/24/25 Xi; R36 R43 N; R50-53	R: 23/24/25-36-43-50/53-68 S: (1/2-)28-36/37-45-60-61		M3			M3
m-phenylenediamine dihydrochloride	541-69-5	Muta. Cat. 3; R68 T; R23/24/25 Xi; R36 R43 N; R50-53	R: 23/24/25-36-43-50/53-68 S: (1/2-)28-36/37-45-60-61		M3			M3
1,3-diphenylguanidine	102-06-7	Repr. Cat. 3; R62 Xn; R22 Xi; R36/37/38 N; R51-53	R: 22-36/37/38-51/53-62 S: (2-)26-36/37/39-61			R3		R3
methyl-phenylene diamine; diaminotoluene; [technical product – reaction mass of 4-methyl-*m*-phenylene diamine (EC No 202-453-1) and 2-methyl-*m*-phenylene diamine (EC No 212-513-9)]	-	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Repr. Cat. 3; R62 T; R25 Xn; R21-48/22 Xi; R36 R43 N; R51-53	R: 45-21-25-36-43-48/22-62-68-51/53 S: 53-45-61	C2	M3	R3		C2 M3 R3
p-toluidine; 4-aminotoluene; [1] toluidinium chloride; [2] toluidine sulphate (1:1) [3]	106-49-0 [1] 540-23-8 [2] 540-25-0 [3]	Carc. Cat. 3; R40 T; R23/24/25 Xi; R36 R43 N; R50	R: 23/24/25-36-40-43-50 S: (1/2-)28-36/37-45-61	C3				C3
2,6-xylidine; 2,6-dimethylaniline	87-62-7	Carc. Cat. 3; R40 Xn; R20/21/22 Xi; R37/38 N; R51-53	R: 20/21/22-37/38-40-51/53 S: (2-)23-25-36/37-61	C3				C3
N,*N*,*N*',*N*'-tetraglycidyl-4,4'-diamino-3,3'-diethyldiphenylmethane	130728-76-6	Muta. Cat. 3; R68 R43 N; R51-53	R: 43-68-51/53 S: (2-)36/37-61		M3			M3
1-ethyl-1-methylmorpholinium bromide	65756-41-4	Muta. Cat. 3; R68	R: 68 S: (2-)36/37		M3			M3
1-ethyl-1-methylpyrrolidinium bromide	69227-51-6	Muta. Cat. 3; R68	R: 68 S: (2-)36/37		M3			M3
4-chloro-*o*-toluidine; [1] 4-chloro-*o*-toluidine hydrochloride [2]	95-69-2 [1] 3165-93-3 [2]	Carc. Cat. 2; R45 Muta. Cat. 3; R68 T; R23/24/25 N; R50-53	R: 45-23/24/25-68-50/53 S: 53-45-60-61	C2	M3			C2 M3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

2,4,5-trimethylaniline; [1] 2,4,5-trimethylaniline hydrochloride [2]	137-17-7 [1] 21436-97-5 [2]	Carc. Cat. 2; R45 T; R23/24/25 N; R51-53	R: 45-23/24/25-51/53 S: 53-45-61	C2				C2
4,4'-thiodianiline and its salts	139-65-1	Carc. Cat. 2; R45 Xn; R22 N; R51-53	R: 45-22-51/53 S: 53-45-61	C2				C2
4,4'-oxydianiline and its salts; *p* -aminophenyl ether	101-80-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 3; R62 T; R23/24/25 N; R51-53	R: 45-46-23/24/25-62-51/53 S: 53-45-61	C2	M2	R3		C2 M2 R3
2,4-diaminoanisole; 4-methoxy-*m* -phenylenediamine; [1] 2,4-diaminoanisole sulphate [2]	615-05-4 [1] 39156-41-7 [2]	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R22 N; R51-53	R: 45-22-68-51/53 S: 53-45-61	C2	M3			C2 M3
N ,*N* ,*N* ',*N* '-tetramethyl-4,4'-methylendianiline	101-61-1	Carc. Cat. 2; R45 N; R50-53	R: 45-50/53 S: 53-45-60-61	C2				C2
C.I. Basic Violet 3; 4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride	548-62-9	Carc. Cat. 3; R40 Xn; R22 Xi; R41 N; R50-53	R: 22-40-41-50/53 S: (2-)26-36/37/39-46-60-61	C3				C3
C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)	548-62-9	Carc. Cat. 2; R45 Xn; R22 Xi; R41 N; R50-53	R: 45-22-41-50/53 S: 53-45-60-61	C2				C2
4-ethoxyaniline; *p* -phenetidine	156-43-4	Muta. Cat. 3; R68 Xn; R20/21/22 Xi; R36 R43	R: 20/21/22-36-43-68 S: (2-)36/37-46		M3			M3
6-methoxy-*m* -toluidine; *p* -cresidine	120-71-8	Carc. Cat. 2; R45 Xn; R22	R: 45-22 S: 53-45	C2				C2
5-nitro-*o* -toluidine; [1] 5-nitro-*o* -toluidine hydrochloride [2]	99-55-8 [1] 51085-52-0 [2]	Carc. Cat. 3; R40 T; R23/24/25 R52-53	R: 23/24/25-40-52/53 S: (1/2-)36/37-45-61	C3				C3
mepanipyrim; 4-methyl-*N* -phenyl-6-(1-propynyl)-2-pyrimidinamine	110235-47-7	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-46-60-61	C3				C3
hydroxylammonium hydrogensulfate; hydroxylamine sulfate(1:1); [1] hydroxylamine phosphate; [2] hydroxylamine dihydrogenphosphate; [3] hydroxylamine 4-methylbenzenesulfonate [4]	10046-00-1 [1] 20845-01-6 [2] 19098-16-9 [3] 53933-48-5 [4]	E; R2 Carc. Cat. 3; R40 Xn; R21/22-48/22 Xi; R36/38 R43 N; R50	R: 21/22-36/38-40-43-48/22-50 S: (2-)36/37-61	C3				C3

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

(3-chloro-2-hydroxypropyl) trimethylammonium chloride ...%	3327-22-8	Carc. Cat. 3, R40 R52-53	R: 40-52/53 S: 36/37-61	C3				C3
biphenyl-3,3',4,4'-tetrayltetraamine; diaminobenzidine	91-95-2	Carc. Cat. 2; R45 Muta. Cat. 3; R68	R: 45-68 S: 53-45	C2	M3			C2 M3
piperazine hydrochloride; [1] piperazine dihydrochloride; [2] piperazine phosphate [3]	6094-40-2 [1] 142-64-3 [2] 1951-97-9 [3]	Repr. Cat. 3; R62-63 Xi; R36/38 R42/43 R52-53	R: 36/38-42/43-62-63-52/53 S: (1/2-)22-36/37-45-63-61			R3		R3
3-(piperazin-1-yl)-benzo[d]isothiazole hydrochloride	87691-88-1	Repr. Cat. 3; R62 Xn; R22 Xi; R36 R43 N; R50-53	R: 22-36-43-62-50/53 S: (2-)22-26-36/37/39-60-61			R3		R3
2-ethylphenylhydrazine hydrochloride	19398-06-2	Carc. Cat. 3; R40 T; R48/25 Xn; R22 Xi; R41 R43 N; R50-53	R: 22-40-41-43-48/25-50/53 S: (1/2-)22-26-36/37/39-45-60-61	C3				C3
(2-chloroethyl)(3-hydroxypropyl)ammonium chloride	40722-80-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R48/22 R43 R52-53	R: 45-46-43-48/22-52/53 S: 53-45-61	C2	M2			C2 M2
4-[(3-chlorophenyl)(1*H*-imidazol-1-yl)methyl]-1,2-benzenediamine dihydrochloride	159939-85-2	Repr. Cat. 3; R62 Xn; R22 C; R34 R43 N; R51-53	R: 22-34-43-62-51/53 S: (1/2-)22-26-36/37/39-45-61			R3		R3
chloro-*N,N*-dimethylformiminium chloride	3724-43-4	R14 Repr. Cat. 2; R61 Xn; R22 C; R35	R: 61-14-22-35 S: 53-45			R2		R2
cis-1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	51229-78-8	F; R11 Repr. Cat. 3; R63 Xn; R22 Xi; R38 R43 N; R51-53	R: 11-22-38-43-63-51/53 S: (2-)7-22-33-36/37-61			R3		R3
7-methoxy-6-(3-morpholin-4-yl-propoxy)-3*H*-quinazolin-4-one; [containing ≥ 0.5 % formamide (EC No 200-842-0)]	199327-61-2	Repr. Cat. 2; R61 R52-53	R: 61-52/53 S: 53-45-61			R2		R2

reaction products of diisopropanolamine with formaldehyde (1:4)	220444-73-5	Carc. Cat. 3; R40 Xn; R22 C; R34 R43 N; R51-53	R: 22-34-40-43-51/53 S: (1/2-)13-25-26-36/37/39-45-61	C3				C3
3-chloro-4-(3-fluorobenzyloxy)aniline	202197-26-0	Muta. Cat. 3; R68 Xn; R22-48/22 N; R50-53	R: 22-48/22-68-50/53 S: (2-)22-36/37-60-61		M3			M3
ethidium bromide; 3,8-diamino-1-ethyl-6-phenylphenantridinium bromide	1239-45-8	Muta. Cat. 3; R68 T+; R26 Xn; R22	R: 22-26-68 S: (1/2-)28-36/37-45-63		M3			M3
(*R,S*)-2-amino-3,3-dimethylbutane amide	144177-62-8	Repr. Cat. 3; R62 Xn; R48/22 Xi; R36/38 R43	R: 36/38-43-48/22-62 S: (2-)22-26-36/37			R3		R3
3-amino-9-ethyl carbazole; 9-ethylcarbazol-3-ylamine	132-32-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
leucomalachite green N,N,N',N'-tetramethyl-4,4'-benzylidenedianiline	129-73-7	Carc. Cat. 3; R40 Muta. Cat. 3; R68	R: 40-68 S: (2-)36/37	C3	M3			C3 M3
ethyleneimine; aziridine	151-56-4	F; R11 Carc. Cat. 2; R45 Muta. Cat. 2; R46 T+; R26/27/28 C; R34 N; R51-53	R: 45-46-11-26/27/28-34-51/53 S: 53-45-61	C2	M2			C2 M2
amitrole (ISO); 1,2,4-triazol-3-ylamine	61-82-5	Repr. Cat. 3; R63 Xn; R48/22 N; R51-53	R: 48/22-63-51/53 S: (2-)13-36/37-61			R3		R3
fuberidazole (ISO); 2-(2-furyl)-1H-benzimidazole	3878-19-1	Carc. Cat. 3; R40 Xn; R48/22 Xn; R22 Xi; R43 N; R50-53	R: 40-48/22-22-43-50/53 S: (2)-22-36/37-60-61	C3				C3
tridemorph (ISO); 2,6-dimethyl-4-tridecylmorpholine	24602-86-6	Repr. Cat. 2; R61 Xn; R20/22 Xi; R38 N; R50-53	R: 61-20/22-38-50/53 S: 53-45-60-61			R2		R2
2-methylaziridine; propyleneimine	75-55-8	F; R11 Carc. Cat. 2; R45 T+; R26/27/28 Xi; R41 N; R51-53	R: 45-11-26/27/28-41-51/53 S: 53-45-61	C2				C2

ethylene thiourea; imidazolidine-2-thione; 2-imidazoline-2-thiol	96-45-7	Repr. Cat. 2; R61 Xn; R22	R: 61-22 S: 53-45			R2		R2
morpholine-4-carbonyl chloride	15159-40-7	R14 Carc. Cat. 3; R40 Xi; R36/38	R: 14-36/38-40 S: (2-)26-30-36-38	C3				C3
captan (ISO); 1,2,3,6-tetrahydro-*N*-(trichloromethylthio)phthalimide	133-06-2	Carc. Cat. 3; R40 T; R23 Xi; R41 R43 N; R50	R: 23-40-41-43-50 S: (1/2-)26-29-36/37/39-45-61	C3				C3
folpet (ISO); *N*-(trichloromethylthio)phthalimide	133-07-3	Carc. Cat. 3; R40 Xn; R20 Xi; R36 R43 N; R50	R: 20-36-40-43-50 S: (2-)36/37-46-61	C3				C3
captafol (ISO); 1,2,3,6-tetrahydro-*N*-(1,1,2,2-tetrachloroethylthio)phthalimide	2425-06-1	Carc. Cat. 2; R45 R43 N; R50-53	R: 45-43-50/53 S: 53-45-60-61	C2				C2
carbendazim (ISO); methyl benzimidazol-2-ylcarbamate	10605-21-7	Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 N; R50-53	R: 46-60-61-50/53 S: 53-45-60-61		M2	R2		M2 R2
benomyl (ISO); methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate	17804-35-2	Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 Xi; R37/38 R43 N; R50-53	R: 46-60-61-37/38-43-50/53 S: 53-45-60-61		M2	R2		M2 R2
carbadox (INN); methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide; 2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide	6804-07-5	F; R11 Carc. Cat. 2; R45 Xn; R22	R: 45-11-22 S: 53-45	C2				C2
molinate (ISO); *S*-ethyl 1-perhydroazepinecarbothioate; *S*-ethyl perhydroazepine-1-carbothioate	2212-67-1	Carc. Cat. 3; R40 Repr. Cat. 3; R62 Xn; R20/2248/22 R43 N; R50-53	R: 20/22-40-43-48/22-62-50/53 S: (2-)36/37-46-60-61	C3		R3		C3 R3
propazine (ISO); 2-chloro-4,6-bis(isopropylamino)-1,3,5-triazine	139-40-2	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
propylenethiourea	2122-19-2	Repr. Cat. 3; R63 Xn; R22 R52-53	R: 22-52/53-63 S: (2-)36/37-46-61			R3		R3
1,2,4-triazole	288-88-0	Repr. Cat. 3; R63 Xn; R22 Xi; R36	R: 22-36-63 S: (2-)36/37			R3		R3

fenpropimorph (ISO); *cis* -4-[3-(*p* -*tert* -butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine	67564-91-4	Repr. Cat. 3; R63 Xn; R22 Xi; R38 N; R51-53	R: 22-38-63-51/53 S: (2-)36/37-46-61			R3		R3
etridiazole (ISO); 5-ethoxy-3-trichloromethyl-1,2,4-thiadiazole	2593-15-9	Carc. Cat. 3; R40 T; R23 Xn; R21/22 N; R50-53	R: 21/22-23-40-50/53 S: (1/2-)36/37-38-45-60-61	C3				C3
myclobutanil (ISO); 2-(4-chlorophenyl)-2-(1*H* -1,2,4-triazol-1-ylmethyl)hexanenitrile	88671-89-0	Repr. Cat. 3; R63 Xn; R22 Xi; R36 N; R51-53	R: 22-36-51/53-63 S: (2-)36/37-46-61			R3		R3
cycloheximide (ISO); 4-{}{(2*R*)-2-[(1*S* ,3*S* ,5*S*)-3,5-dimethyl-2-oxocyclohexyl]-2-hydroxyethyl}}piperidine-2,6-dione	66-81-9	Muta. Cat. 3; R68 Repr. Cat. 2; R61 T+; R28 N; R51-53	R: 61-28-51/53-68 S: 53-45-61		M3	R2		M3 R2
(6*R* -*trans*)-1-((7-ammonio-2-carboxylato-8-oxo-5-thia-1-azabicyclo-[4.2.0]oct-2-en-3-yl)methyl)pyridinium iodide	100988-63-4	Muta. Cat. 3; R68 R43 N; R51-53	R: 43-68-51/53 S: (2-)36/37-61		M3			M3
flumioxazin (ISO); *N* -(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2*H* -1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide	103361-09-7	Repr. Cat. 2; R61 N; R50-53	R: 61-50/53 S: 53-45-60-61			R2		R2
1-vinyl-2-pyrrolidone	88-12-0	Carc. Cat. 3; R40 Xn; R20/21/22-48/20 Xi; R37-41	R: 20/21/22-37-40-41-48/20 S: (2-)26-36/37/39	C3				C3
9-vinylcarbazole	1484-13-5	Muta. Cat. 3; R68 Xn; R21/22 Xi; R38 R43 N; R50-53	R: 21/22-38-43-68-50/53 S: (2-)22-23-36/37-60-61		M3			M3
5-chloro-1,3-dihydro-2*H* -indol-2-one	17630-75-0	Repr. Cat. 3; R62 Xn; R22 R43 R52-53	R: 22-43-62-52/53 S: (2-)22-36/37-61			R3		R3
epoxiconazole (ISO); (2*RS* ,3*SR*)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1*H* -1,2,4-triazol-1-yl)methyl]oxirane	133855-98-8	Carc. Cat. 3; R40 Repr. Cat. 2; R61 Repr. Cat. 3; R63 N; R51-53	R: 61-40-62-51/53 S: 45-53-61	C3		R2		C3 R2
1-(1-naphthylmethyl)quinolinium chloride	65322-65-8	Carc. Cat. 3; R40 Muta. Cat. 3; R68 Xn; R22 Xi; R38-41 R52-53	R: 22-38-40-41-52/53-68 S: (2-)22-26-36/37/39-61	C3	M3			C3 M3

3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	Repr. Cat. 2; R60 C; R34 N; R50-53	R: 60-34-50/53 S: 53-45-60-61			R2		R2
reaction mass of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1*H*,3*H*,5*H*)-triazine-2,4,6-trione; reaction mass of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1*H*,3*H*,5*H*)-triazin-1-yl]-1,3,5-(1*H*,3*H*,5*H*)-triazine-2,4,6-trione	-	Carc. Cat. 2; R45 Repr. Cat. 2; R61 R43 R52-53	R: 45-61-43-52/53 S: 53-45-61	C2		R2		C2 R2
(*R*)-5-bromo-3-(1-methyl-2-pyrrolidinyl methyl)-1*H*-indole	143322-57-0	Repr. Cat. 3; R62 T; R39-48/25 Xn; R20/22 Xi; R41 R43 N; R50-53	R: 20/22-39-41-43-48/25-62-50/53 S: (1/2-)53-45-60-61			R3		R3
pymetrozine (ISO); (*E*)-4,5-dihydro-6-methyl-4-(3-pyridylmethyleneamino)-1,2,4-triazin-3(2*H*)-one	123312-89-0	Carc. Cat. 3; R40 R52-53	R: 40-52/53 S: (2-)36/37-61	C3				C3
oxadiargyl (ISO); 3-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3*H*)-one;	39807-15-3	Repr. Cat. 3; R63 Xn; R48/22 N; R50-53	R: 48/22-63-50/53 S: (2-)36/37-46-60-61			R3		R3
forchlorfenuron (ISO); 1-(2-chloro-4-pyridyl)-3-phenylurea	68157-60-8	Carc. Cat. 3; R40 N; R51-53	R: 40-51/53 S: (2-)36/37-46-61	C3				C3
tetrahydro-1,3-dimethyl-1*H*-pyrimidin-2-one; dimethyl propyleneurea	7226-23-5	Repr. Cat. 3; R62 Xn; R22 Xi; R41	R: 22-41-62 S: 26-36/37/39			R3		R3
quinoline	91-22-5	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R21/22 Xi; R36/38 N; R51-53	R: 45-21/22-36/38-68-51/53 S: 53-45-61	C2	M3			C2 M3
ketoconazole; 1-[4-[4-[[(2*SR*,4*RS*)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone	65277-42-1	Repr. Cat. 2; R60 T; R25 Xn; R48/22 N; R50-53	R: 60-25-48/22-50/53 S: 53-45-60-61			R2		R2
metconazole (ISO); (1*RS*,5*RS*;1*RS*,5*SR*)-5-(4-chlorobenzyl)-2,2-dimethyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol	125116-23-6	Repr. Cat. 3; R63 Xn; R22 N; R51-53	R: 22-63-51/53 S: (2-)36/37-46-61			R3		R3
potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate; [containing ≥ 0.5 % *N,N*-dimethylformamide (EC No 200-679-5)]	183196-57-8	Repr. Cat. 2; R61 R43	R: 61-43 S: 53-45			R2		R2

N,*N*′,*N*″-tris(2-methyl-2,3-epoxypropyl)-perhydro-2,4,6-oxo-1,3,5-triazine	26157-73-3	Muta. Cat. 3; R68 R52-53	R: 68-52/53 S: (2-)36/37-61		M3			M3
trimethylopropane tri(3-aziridinylpropanoate); (TAZ)	52234-82-9	Muta. Cat. 3; R68 Xi; R41 R43	R: 41-43-68 S: 26-36/37/39-42		M3			M3
colchicine	64-86-8	Muta. Cat. 2; R46 T+; R28	R: 46-28 S: 53-45		M2			M2
methyl isocyanate	624-83-9	F; R11 Repr. Cat. 3; R63 T+; R26 T; R24/25 R42/43 Xi; R37/38-41	R: 11-24/25-26-37/38-41-42/43-63 S: (1/2-)16-26-27/28-36/37/39-45-63			R3		R3
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate; [1] 2,2'-methylenediphenyl diisocyanate; diphenylmethane-2,2'-diisocyanate; [2] *o*-(*p*-isocyanatobenzyl)phenyl isocyanate; diphenylmethane-2,4'-diisocyanate; [3] methylenediphenyl diisocyanate [4]	101-68-8 [1] 2536-05-2 [2] 5873-54-1 [3] 26447-40-5 [4]	Carc. Cat. 3; R40 Xn; R20-48/20 Xi; R36/37/38 R42/43	R: 20-36/37/38-40-42/43-48/20 S: (1/2-)23-36/37-45	C3				C3
2-methyl-*m*-phenylene diisocyanate; toluene-2,4-di-isocyanate; [1] 4-methyl-*m*-phenylene diisocyanate; toluene-2,6-di-isocyanate; [2] *m*-tolylidene diisocyanate; toluene-diisocyanate [3]	91-08-7 [1] 584-84-9 [2] 26471-62-5 [3]	Carc. Cat. 3; R40 T+; R26 Xi; R36/37/38 R42/43 R52-53	R: 26-36/37/38-40-42/43-52/53 S: (1/2-)23-36/37-45-61	C3				C3
1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione; TGIC	2451-62-9	Muta. Cat. 2; R46 T; R23/25 Xn; R48/22 Xi; R41 R43 R52-53	R: 46-23/25-41-43-48/22-52/53 S: 53-45-61		M2			M2
2-(isocyanatosulfonylmethyl)benzoic acid methyl ester; (alt.):methyl 2-(isocyanatosulfonylmethyl)benzoate	83056-32-0	R10 R14 Muta. Cat. 3; R68 Xn; R20-48/22 Xi; R41 R42	R: 10-14-20-41-42-48/22-68 S: (2-)23-26-36/37/39		M3			M3
N,*N*-dimethylformamide; dimethyl formamide	68-12-2	Repr. Cat. 2; R61 Xn; R20/21 Xi; R36	R: 61-20/21-36 S: 53-45			R2		R2

Classification et étiquetage harmonisés européen des substances chimiques cancérogènes, mutagènes et toxiques pour la reproduction selon les critères de DSD au 17 janvier 2014 *(commentaires en fin de document).*

acrylamide; prop-2-enamide	79-06-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 3; R62 T; R25-48/23/24/25 Xn; R20/21 Xi; R36/38 R43	R: 45-46-20/21-25-36/38-43-48/23/24/25-62 S: 53-45	C2	M2	R3		C2 M2 R3
N ,*N* -dimethylacetamide	127-19-5	Repr. Cat. 2; R61 Xn; R20/21	R: 61-20/21 S: 53-45			R2		R2
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	Carc. Cat. 3; R40 Xn; R21 Xi; R41 R43	R: 21-40-41-43 S: (2-)13-23-26-36/37/39	C3				C3
alachlor (ISO); 2-chloro-2',6'-diethyl-*N* -(methoxymethyl)acetanilide	15972-60-8	Carc. Cat. 3; R40 Xn; R22 R43 N; R50-53	R: 22-40-43-50/53 S: (2-)36/37-46-60-61	C3				C3
acetamide	60-35-5	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
valinamide	20108-78-5	Repr. Cat. 3; R62 Xi; R36 R43	R: 36-43-62 S: (2-)26-36/37			R3		R3
thioacetamide	62-55-5	Carc. Cat. 2; R45 Xn; R22 Xi; R36/38 R52-53	R: 45-22-36/38-52/53 S: 53-45-61	C2				C2
2-chloracetamide	79-07-2	Repr. Cat. 3; R62 T; R25 R43	R: 25-43-62 S: (1/2-)22-36/37-45			R3		R3
formamide	75-12-7	Repr. Cat. 2; R61	R: 61 S: 53-45			R2		R2
N -methylacetamide	79-16-3	Repr. Cat. 2; R61	R: 61 S: 53-45			R2		R2
iprodione (ISO); 3-(3,5-dichlorophenyl)-2,4-dioxo-*N* -isopropylimidazolidine-1-carboxamide	36734-19-7	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
propyzamide (ISO); 3,5-dichloro-*N* -(1,1-dimethylprop-2-ynyl)benzamide	23950-58-5	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-60-61	C3				C3
N -methylformamide	123-39-7	Repr. Cat. 2; R61 Xn; R21	R: 61-21 S: 53-45			R2		R2

reaction mass of: *N*-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide; *N*-[2,3-bis-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide; methacrylamide; 2-methyl-*N*-(2-methylacryloylaminomethoxymethyl)-acrylamide; *N*-(2,3-dihydroxypropoxymethyl)-2-methylacrylamide	-	Carc. Cat. 2; R45 Muta. Cat. 3; R68 Xn; R48/22	R: 45-48/22 S: 53-45	C2	M3			C2 M3
5,6,12,13-tetrachloroanthra(2,1,9-*def*:6,5,10-*d*'*e*'*f*')diisoquinoline-1,3,8,10(2*H*,9*H*)-tetrone	115662-06-1	Repr. Cat. 3; R62	R: 62 S: (2-)22-36/37			R3		R3
4'-ethoxy-2-benzimidazoleanilide	120187-29-3	Muta. Cat. 3; R68 R53	R: 68-53 S: (2-)22-36/37-61		M3			M3
5-(2,4-dioxo-1,2,3,4-tetrahydropyrimidine)-3-fluoro-2-hydroxymethyltetrahydrofuran	41107-56-6	Muta. Cat. 3; R68	R: 68 S: (2-)22-36/37		M3			M3
1,3,5-tris-[(2*S* and 2*R*)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1*H*,3*H*,5*H*)-trione	59653-74-6	Muta. Cat. 2; R46 T; R23 Xn; R22-48/22 Xi; R41 R43	R: 46-22-23-41-43-48/22 S: 53-45		M2			M2
chlorotoluron (ISO); 3-(3-chloro-*p*-tolyl)-1,1-dimethylurea	15545-48-9	Carc. Cat. 3; R40 Repr. Cat. 3; R63 N; R50-53	R: 40-63-50/53 S: (2-)26-36/37-46-60-61	C3		R3		C3 R3
cinidon ethyl (ISO); ethyl (*Z*)-2-chloro-3-[2-chloro-5-(cyclohex-1-ene-1,2-dicarboximido)phenyl]acrylate	142891-20-1	Carc. Cat. 3; R40 R43 N; R50-53	R: 40-43-50/53 S: (2-)24-37-46-60-61	C3				C3
N-[2-(3-acetyl-5-nitrothiophen-2-ylazo)-5-diethylaminophenyl]acetamide	777891-21-1	Repr. Cat. 3; R62 R43 N; R50-53	R: 43-62-50/53 S: (2-)22-36/37-60-61			R3		R3
1,3-Bis(vinylsulfonylacetamido)propane	93629-90-4	Muta. Cat. 3; R68 Xi; R41 R43 R52-53	R: 41-43-68-52/53 S: (2-)22-26-36/37/39-61		M3			M3
N,*N*'-dihexadecyl-*N*,*N*'-bis(2-hydroxyethyl)propanediamide	149591-38-8	Repr. Cat. 3; R62 Xi; R36 R53	R: 36-62-53 S: (2-)26-36/37-61			R3		R3
N-[6,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6-oxo-1*H*-purin-2-yl]acetamide	84245-12-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61	R: 45-46-60-61 S: 53-45	C2	M2	R2		C2 M2 R2
dimoxystrobin (ISO); (*E*)-2-(methoxyimino)-*N*-methyl-2-[α-(2,5-xylyloxy)-*o*-tolyl]acetamide	149961-52-4	Carc. Cat. 3; R40 Repr. Cat. 3; R63 Xn; R20 N; R50-53	R: 20-40-63-50/53 S: (2-)36/37-46-60-61	C3		R3		C3 R3

N,N-(dimethylamino)thioacetamide hydrochloride	27366-72-9	Repr. Cat. 2; R61 N; R50-53	R: 61-50/53 S: 53-45-60-61			R2		R2
reaction mass of: 2,2'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[*N*-(2,4-dimethylphenyl)]-3-oxo-butanamide; 2-[[3,3'-dichloro-4'-[[1[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-*N*-(2-methylphenyl)-3-oxo-butanamide; 2-[[3,3'-dichloro-4'-[[1[[(2,4-dimethylphenyl)amino]carbonyl]-2-oxopropyl]azo][1,1'-biphenyl]-4-yl]azo]-*N*-(2-carboxylphenyl)-3-oxo-butanamide	-	Carc. Cat. 3; R40 R43 R53	R: 40-43-53 S: (2-)36/37-61	C3				C3
Metazachlor (ISO); 2-chloro-N-(2,6-dimethylphenyl)-N-(1H-pyrazol-1-ylmethyl)acetamide	67129-08-2	R43 Carc. Cat. 3; R40 N; R50-53	R: 40-43-50/53 S: (2-)36-37-60-61	C3				C3
flufenoxuron (ISO); 1-(4-(2-cloro-α,α,α-p-trifluorotolyloxy)-2-fluorophenyl)-3-(2,6-difluorobenzolyl)urea	101463-69-8	R64 R33 N; R50-53	R: 33-64-50/53 S: (2-)22-36/37-46-60-61				LACT	LACT
polyhexamethylene biguanide hydrochloride	27083-27-8 or 32289-58-0	Carc. Cat. 3; R40 Xn; R22 T; R48/23 Xi; R41 R43 N; R50-53	R: 22-40-41-43-48/23-50/53 S: (1/2-)22-36/37/39-45-60-61	C3				C3
N-ethyl-2-pyrrolidone; 1-ethylpyrrolidin-2-one	2687-91-4	Carc. Cat. 2; R61	R: 61 S: 45-53	C2				C2
proquinazid (ISO); 6-iodo-2-propoxy-3-propylquinazolin-4(3H)-one	189278-12-4	Carc. Cat. 3; R40 N; R50-53	R: 40-50/53 S: (2-)36/37-46-60-61	C3				C3
di-tert-butyl peroxide	110-05-4	O; R7 F; R11 Muta. Cat. 3, R68	R: 7-11-68 S: (2-)3/7-14-16-23-36/37/39		M3			M3
Distillates (coal tar), benzole fraction; Light Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of hydrocarbons having carbon numbers primarily in the range of C_4 to C_{10} and distilling in the approximate range of 80 °C to 160 °C (175 °F to 320 °F).]	84650-02-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar oils, brown-coal; Light Oil; [The distillate from lignite tar boiling in the range of approximately 80°C to 250°C (176°F to 482°F). Composed primarily of aliphatic and aromatic hydrocarbons and monobasic phenols.]	94114-40-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Benzol forerunnings (coal); Light Oil Redistillate, low boiling; [The distillate from coke oven light oil having an approximate distillation range below 100°C (212°F). Composed primarily of C_4 to C_6 aliphatic hydrocarbons.]	65996-88-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), benzole fraction, BTX-rich; Light Oil Redistillate, low boiling; [A residue from the distillation of crude benzole to remove benzole fronts. Composed primarily of benzene, toluene and xylenes boiling in the range of approximately 75°C to 200°C (167°F to 392°F).]	101896-26-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{6-10}, C_8-rich; Light Oil Redistillate, low boiling	90989-41-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Solvent naphtha (coal), light; Light Oil Redistillate, low boiling	85536-17-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Solvent naphtha (coal), xylene-styrene cut; Light Oil Redistillate, intermediate boiling	85536-20-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Solvent naphtha (coal), coumarone-styrene contg.; Light Oil Redistillate, intermediate boiling	85536-19-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Naphtha (coal), distn. residues; Light Oil Redistillate, high boiling; [The residue remaining from the distillation of recovered naphtha. Composed primarily of naphthalene and condensation products of indene and styrene.]	90641-12-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_8; Light Oil Redistillate, high boiling	90989-38-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{8-9}, hydrocarbon resin polymn. by-product; Light Oil Redistillate, high boiling; [A complex combination of hydrocarbons obtained from the evaporation of solvent under vacuum from polymerized hydrocarbon resin. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_8 through C_9 and boiling in the range of approximately 120°C to 215°C (248°F to 419°F).]	91995-20-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{9-12}, benzene distn.; Light Oil Redistillate, high boiling	92062-36-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), benzole fraction alk., acid ext.; Light Oil Extract Residues, low boiling; [The redistillate from the distillate, freed of tar acids and tar bases, from bituminous coal high temperature tar boiling in the approximate range of 90°C to 160°C (194°F to 320°F). It consists predominantly of benzene, toluene and xylenes.]	91995-61-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Extract residues (coal tar), benzole fraction alk., acid ext.; Light Oil Extract Residues, low boiling; [A complex combination of hydrocarbons obtained by the redistillation of the distillate of high temperature coal tar (tar acid and tar base free). It consists predominantly of unsubstituted and substituted mononuclear aromatic hydrocarbons boiling in the range of 85°C to 195°C (185°F to 383°F).]	101316-63-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), benzole fraction acid; Light Oil Extract Residues, low boiling; [An acid sludge by-product of the sulfuric acid refining of crude high temperature coal. Composed primarily of sulfuric acid and organic compounds.]	93821-38-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), light oil alk., distn. overheads; Light Oil Extract Residues, low boiling; [The first fraction from the distillation of aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oil boiling substantially below 145°C (293°F). Composed primarily of C_7 and C_8 aliphatic and aromatic hydrocarbons.]	90641-02-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), light oil alk., acid ext., indene fraction; Light Oil Extract Residues, intermediate boiling	101316-62-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), light oil alk., indene naphtha fraction; Light Oil Extract Residues, high boiling; [The distillate from aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oils, having an approximate boiling range of 155°C to 180°C (311°F to 356°F). Composed primarily of indene, indan and trimethylbenzenes.]	90641-03-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Solvent naphtha (coal); Light Oil Extract Residues, high boiling; [The distillate from either high temperature coal tar, coke oven light oil, or coal tar oil alkaline extract residue having an approximate distillation range of 130°C to 210°C (266°F to 410°F). Composed primarily of indene and other polycyclic ring systems containing a single aromatic ring. May contain phenolic compounds and aromatic nitrogen bases.]	65996-79-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), light oils, neutral fraction; Light Oil Extract Residues, high boiling; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of alkyl-substituted one ring aromatic hydrocarbons boiling in the range of approximately 135°C to 210°C (275°F to 410°F). May also include unsaturated hydrocarbons such as indene and coumarone.]	101794-90-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Distillates (coal tar), light oils, acid exts.; Light Oil Extract Residues, high boiling; [This oil is a complex reaction mass of aromatic hydrocarbons, primarily indene, naphthalene, coumarone, phenol, and *o*-, *m*- and *p*-cresol and boiling in the range of 140°C to 215°C (284°F to 419°F).]	90640-87-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), light oils; Carbolic Oil; [A complex combination of hydrocarbons obtained by distillation of coal tar. It consists of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills at the approximate range of 150°C to 210°C (302°F to 410°F).]	84650-03-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar oils, coal; Carbolic Oil; [The distillate from high temperature coal tar having an approximate distillation range of 130°C to 250°C (266°F to 410°F). Composed primarily of naphthalene, alkylnaphthalenes, phenolic compounds, and aromatic nitrogen bases.]	65996-82-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), light oil alk., acid ext.; Carbolic Oil Extract Residue; [The oil resulting from the acid washing of alkali-washed carbolic oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and alkylbenzenes.]	90641-01-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), tar oil alk.; Carbolic Oil Extract Residue; [The residue obtained from coal tar oil by an alkaline wash such as aqueous sodium hydroxide after the removal of crude coal tar acids. Composed primarily of naphthalenes and aromatic nitrogen bases.]	65996-87-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), light oil; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed carbolic oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]	90640-99-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Pyridine, alkyl derivs.; Crude Tar Bases; [The complex combination of polyalkylated pyridines derived from coal tar distillation or as high-boiling distillates approximately above 150°C (302°F) from the reaction of ammonia with acetaldehyde, formaldehyde or paraformaldehyde.]	68391-11-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Tar bases, coal, picoline fraction; Distillate Bases; [Pyridine bases boiling in the range of approximately 125°C to 160°C (257°F 320°F) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars. Composed chiefly of lutidines and picolines.]	92062-33-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, lutidine fraction; Distillate Bases	91082-52-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), tar base, collidine fraction; Distillate Bases; [The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, aniline, toluidines, lutidines, xylidines.]	68937-63-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, collidine fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 181 °C to 186 °C (356 °F to 367 °F) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous coal tar. It contains chiefly aniline and collidines.]	92062-28-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, aniline fraction; Distillate Bases; [The distillation fraction boiling in the range of approximately 180 °C to 200 °C (356 °F to 392 °F) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly aniline, collidines, lutidines and toluidines.]	92062-27-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, toluidine fraction; Distillate Bases	91082-53-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction; Redistillates; [A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominantly of indene and boils in a range of approximately 160°C to 190°C (320°F to 374°F).]	91995-31-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Distillates (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190°C to 270°C (374°F to 518°F). Composed primarily of substituted dinuclear aromatics.]	91995-35-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oil, redistillate; Redistillates; [The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220°C to 230°C (428°F to 446°F). It consists predominantly of unsubstituted and substituted dinuclear aromatic hydrocarbons.]	91995-66-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiliing range of 225°C to 255°C (437°F to 491°F). Composed primarily of substituted dinuclear aromatic hydrocarbons.]	122070-79-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues; Redistillates; [Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240°C to 260°C (464°F to 500°F). Composed primarily of substituted dinuclear aromatic and heterocyclic hydrocarbons.]	122070-80-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the range of approximately 260 ^{o}C to 290 ^{o}C (500 ^{o}F to 554 ^{o}F).]	101316-45-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (coal tar), upper, fluorene-rich; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists af aromatic and polycyclic hydrocarbons primarily fluorene and some acenaphthene.]	84989-11-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Creosote oil, acenaphthene fraction, acenaphthene-free; Wash Oil Redistillate; [The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and alkylnaphthalenes.]	90640-85-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar), heavy oils; Heavy Anthracene Oil; [Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240 °C to 400 °C (464 °F to 752 °F). Composed primarily of tri- and polynuclear hydrocarbons and heterocyclic compounds.]	90640-86-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar), upper; Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 220 °C to 450 °C (428 °F to 842 °F). Composed primarily of three to four membered condensed ring aromatic hydrocarbons and other hydrocarbons.]	65996-91-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Anthracene oil, acid ext.; Anthracene Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction obtained from the distillation of coal tar and boiling in the range of approximately 325 °C to 365 °C (617 °F to 689 °F). It contains predominantly anthracene and phenanthrene and their alkyl derivatives.]	91995-14-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar); Heavy Anthracene Oil; [The distillate from coal tar having an approximate distillation range of 100 °C to 450 °C (212 °F to 842 °F). Composed primarily of two to four membered condensed ring aromatic hydrocarbons, phenolic compounds, and aromatic nitrogen bases.]	65996-92-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar), pitch, heavy oils; Heavy Anthracene Oil; [The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300 °C to 470 °C (572 °F to 878 °F). The product may also contain heteroatoms.]	91995-51-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (coal tar), pitch; Heavy Anthracene Oil; [The oil obtained from condensation of the vapors from the heat treatment of pitch. Composed primarily of two- to four-ring aromatic compounds boiling in the range of 200 °C to greater than 400 °C (392 °F to greater than 752 °F).]	101316-49-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar), heavy oils, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350 °C to 400 °C (662 °F to 752 °F). Consists predominantly of tri- and polynuclear aromatics and heterocyclic hydrocarbons.]	91995-42-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal tar), pitch, pyrene fraction; Heavy Anthracene Oil Redistillate; [The redistillate obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380 °C to 410 °C (7160 to 770 °F). Composed primarily of tri- and polynuclear aromatic hydrocarbons and heterocyclic compounds.]	91995-52-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated; Coal Tar Extract; [A complet combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97926-76-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin waxes (coal), brown-coal high-temp tar, clay-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97926-77-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch; Pitch	61789-60-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Pitch, coal tar, high-temp.; [The residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 30 °C to 180 °C (86 °F to 356 °F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	65996-93-2	Carc. Cat. 1; R45 Muta. Cat. 2; R46 Repr. Cat. 2; R60-61 N; R50-53	R: 45-46-60-61-50/53 S: 45-53-60-61	C1	M2	R2		C1 M2 R2
Pitch, coal tar, high-temp., heat-treated; Pitch; [The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80 °C to 180 °C (176 °F to 356 °F). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	121575-60-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch, coal tar, high-temp., secondary; Pitch Redistillate; [The residue obtained during the distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140 °C to 170 °C (284 °F to 392 °F) according to DIN 52025. Composed primarily of tri- and polynuclear aromatic compounds which also contain heteroatoms.]	94114-13-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (coal tar), pitch distn.; Pitch Redistillate; [Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400 °C to 470 °C (752 °F to 846 °F). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.]	92061-94-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar, coal, high-temp., distn. and storage residues; Coal Tar Solids Residue; [Coke- and ash-containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominantly of carbon and contains a small quantity of hetero compounds as well as ash components.]	92062-20-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar, coal, storage residues; Coal Tar Solids Residue; [The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.]	91082-50-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Tar, coal, high-temp., residues; Coal Tar Solids Residue; [Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.]	100684-51-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar, coal, high-temp., high-solids; Coal Tar Solids Residue; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons with a high solid content of coal-type materials.]	68990-61-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Waste solids, coal-tar pitch coking; Coal Tar Solids Residue; [The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of carbon.]	92062-34-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extract residues (coal), brown; Coal Tar Extract; [The residue from extraction of dried coal.]	91697-23-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin waxes (coal), brown-coal-high-temp. tar; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C_{12}.]	92045-71-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin waxes (coal), brown-coal-high-temp. tar, hydrotreated; Coal Tar Extract; [A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C_{12}.]	92045-72-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated; Coal Tar Extract; [A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97926-78-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar, coal, low-temp., distn. residues; Tar Oil, intermediate boiling; [Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300 °C (572 °F). Composed primarily of aromatic compounds.]	101316-85-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch, coal tar, low-temp; Pitch Residue; [A complex black solid or semi-solid obtained from the distillation of a low temperature coal tar. It has a softening point within the approximate range of 40 °C to 180 °C (104 °F to 356 °F). Composed primarily of a complex mixture of hydrocarbons.]	90669-57-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch, coal tar, low-temp., oxidized; Pitch Residue, oxidised; [The product obtained by air-blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening-point within the approximate range of 70 °C to 180 °C (158 °F to 356 °F). Composed primarily of a complex mixture of hydrocarbons.]	90669-59-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch, coal tar, low-temp., heat-treated; Pitch Residue, oxidised; Pitch Residue, heat-treated; [A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50 °C to 140 °C (122 °F to 284 °F). Composed primarily of a complex mixture of aromatic compounds.]	90669-58-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal-petroleum), condensed-ring arom; Distillates; [The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220 °C to 450 °C (428 °F to 842 °F). Composed primarily of 3- to 4-membered condensed ring aromatic hydrocarbons.]	68188-48-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Aromatic hydrocarbons, C_{20-28}, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived; Pyrolysis Products; [A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{28} and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]	101794-74-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Aromatic hydrocarbons, C_{20-28}, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{28} and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]	101794-75-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Aromatic hydrocarbons, C_{20-28}, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived; Pyrolysis Products; [A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{28} and having a softening point of 100 °C to 220 °C (212 °F to 428 °F) according to DIN 52025.]	101794-76-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Pitch, coal tar-petroleum; Pitch Residues; [The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40 °C to 180 °C (140 °F to 356 °F). Composed primarily of a complex combination of three or more membered condensed ring aromatic hydrocarbons.]	68187-57-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Phenanthrene, distn. residues; Heavy Anthracene Oil Redistillate; [Residue from the distillation of crude phenanthrene boiling in the approximate range of 340 °C to 420 °C (644 °F to 788 °F). It consists predominantly of phenanthrene, anthracene and carbazole.]	122070-78-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (coal tar), upper, fluorene-free; Wash Oil Redistillate; [A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, dibenzofuran and acenaphthene.]	84989-10-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Anthracene oil; Anthracene oil; [A complex combination of polycyclic aromatic hydrocarbons obtained from coal tar having an approximate distillation range of 300 °C ot 400 °C (572 °F to 752 °F). Composed primarily of phenanthrene, anthracene and carbazole.]	90640-80-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (coal tar), creosote oil distn.; Wash Oil Redistillate; [The residue from the fractional distillation of wash oil boiling in the approximate range of 270°C to 330°C (518°F to 626°F). It consists predominantly of dinuclear aromatic and heterocyclic hydrocarbons.]	92061-93-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar, coal; Coal tar; [The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydro-carbons, phenolic compounds, nitrogen bases and thiophene.]	8007-45-2	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Tar, coal, high-temp.; Coal tar; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons. May contain minor amounts of phenolic compounds and aromatic nitrogen bases.]	65996-89-6	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Tar, coal, low-temp.; Coal oil; [The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700 °C (1292 °F)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons, phenolic compounds, aromatic nitrogen bases, and their alkyl derivatives.]	65996-90-9	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1

Distillates (coal), coke-oven light oil, naphthalene cut; Naphthalene Oil; [The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, coumarone and indene and boils above 148°C (298°F).]	85029-51-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills in the approximate range of 200°C to 250°C (392°F to 482°F).]	84650-04-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, naphthalene-low; Naphthalene Oil Redistillate; [A complex combination of hydrocarbons obtained by crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and phenolic compounds.]	84989-09-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oil crystn. mother liquor; Naphthalene Oil Redistillate; [A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene, thionaphthene and alkylnaphthalenes.]	91995-49-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), naphthalene oil, alk.; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.]	121620-47-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), naphthalene oil, alk., naphthalene-low; Naphthalene Oil Extract Residue; [A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali-washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]	121620-48-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, naphthalene-free, alk. exts.; Naphthalene Oil Extract Residue; [The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of naphthalene and alkyl naphthalenes.]	90640-90-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Extract residues (coal), naphthalene oil alk., distn. overheads; Naphthalene Oil Extract Residue; [The distillate from alkali-washed naphthalene oil having an approximate distillation range of 180°C to 220°C (356°F to 428°F). Composed primarily of naphthalene, alkylbenzenes, indene and indan.]	90641-04-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 225°C to 255°C (437°F to 491°F).]	101896-27-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction; Methylnaphthalene Oil; [A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methylnaphthalene boiling in the range of approximately 235°C to 255°C (455°F to 491°F).]	101794-91-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, acid exts.; Methylnaphthalene Oil Extract Residue; [A complex combination of hydrocarbons obtained by debasing the methylnaphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230°C to 255°C (446°F to 491°F). Contains chiefly 1(2)-methylnaphthalene, naphthalene, dimethylnaphthalene and biphenyl.]	91995-48-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), naphthalene oil alk., distn. residues; Methylnaphthalene Oil Extract Residue; [The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220°C to 300°C (428°F to 572°F). Composed primarily of naphthalene, alkylnaphthalenes and aromatic nitrogen bases.]	90641-05-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), acidic, tar-base free; Methylnaphthalene Oil Extract Residue; [The extract oil boiling in the range of approximately 220°C to 265°C (428°F to 509°F) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of alkylnaphthalenes.]	84989-12-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Distillates (coal tar), benzole fraction, distn. residues; Wash Oil; [A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150°C to 300°C (302°F to 572°F) or a semi-solid or solid with a melting point up to 70°C (158°F). It is composed primarily of naphthalene and alkyl naphthalenes.]	121620-46-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Creosote oil, acenaphthene fraction; Wash Oil; [A complex combination of hydrocarbons produced by the distillation of coal tar and boiling in the range of approximately 240°C to 280°C (464°F to 536°F). Composed primarily of acenaphthene, naphthalene and alkyl naphthalene.]	90640-84-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Creosote oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200°C to 325°C (392°F to 617°F).]	61789-28-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Creosote oil, high-boiling distillate; Wash Oil; [The high-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillates, removed. It is crystal free at approximately 5°C (41°F).]	70321-79-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Creosote; [The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases.]	8001-58-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extract residues (coal), creosote oil acid; Wash Oil Extract Residue; [A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250°C to 280°C (482°F to 536°F). It consists predominantly of biphenyl and isomeric diphenylnaphthalenes.]	122384-77-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Anthracene oil, anthracene paste; Anthracene Oil Fraction; [The anthracene-rich solid obtained by the crystallization and centrifuging of anthracene oil. It is composed primarily of anthracene, carbazole and phenanthrene.]	90640-81-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Anthracene oil, anthracene-low; Anthracene Oil Fraction; [The oil remaining after the removal, by a crystallization process, of an anthracene-rich solid (anthracene paste) from anthracene oil. It is composed primarily of two, three and four membered aromatic compounds.]	90640-82-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Residues (coal tar), anthracene oil distn.; Anthracene Oil Fraction; [The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340°C to 400°C (644°F to 752°F). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.]	92061-92-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Anthracene oil, anthracene paste, anthracene fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by the crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of 330°C to 350°C (626°F to 662°F). It contains chiefly anthracene, carbazole and phenanthrene.]	91995-15-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Anthracene oil, anthracene paste, carbazole fraction; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350°C to 360°C (662°F to 680°F). It contains chiefly anthracene, carbazole and phenanthrene.]	91995-16-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Anthracene oil, anthracene paste, distn. lights; Anthracene Oil Fraction; [A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of approximately 290°C to 340°C (554°F to 644°F). It contains chiefly trinuclear aromatics and their dihydro derivatives.]	91995-17-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar oils, coal, low-temp.; Tar Oil, high boiling; [A distillate from low-temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 160°C to 340°C (320°F to 644°F).]	101316-87-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), low temp. coal atar alk.; [The residue from low temperature coal tar oils after an alkaline wash, such as aqueous sodium hydroxide, to remove crude coal tar acids. Composed primarily of hydrocarbons and aromatic nitrogen bases.]	122384-78-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Phenols, ammonia liquor ext.; Alkaline Extract; [The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700°C (1292°F)) destructive distillation of coal. It consists predominantly of a reaction mass of monohydric and dihydric phenols.]	84988-93-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), light oils, alk. exts.; Alkaline Extract; [The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	90640-88-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extracts, coal tar oil alk.; Alkaline Extract; [The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	65996-83-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal tar), naphthalene oils, alk. exts.; Alkaline Extract; [The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	90640-89-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), tar oil alk., carbonated, limed; Crude Phenols; [The product obtained by treatment of coal tar oil alkaline extract with CO_2 and CaO. Composed primarily of $CaCO_3$, $Ca(OH)_2$, Na_2CO_3 and other organic and inorganic impurities.]	90641-06-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, coal, crude; Crude Phenols; [The reaction product obtained by neutralizing coal tar oil alkaline extract with an acidic solution, such as aqueous sulfuric acid, or gaseous carbon dioxide, to obtain the free acids. Composed primarily of tar acids such as phenol, cresols, and xylenols.]	65996-85-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, brown-coal, crude; Crude Phenols; [An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]	101316-86-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Tar acids, brown-coal gasification; Crude Phenols; [A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C_{6-10} hydroxy aromatic phenols and their homologs.]	92062-22-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, distn. residues; Distillate Phenols; [A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C_8 through C_{10} with a softening point of 60°C to 80°C (140°F to 176°F).]	96690-55-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, methylphenol fraction; Distillate Phenols; [The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	84989-04-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, polyalkylphenol fraction; Distillate Phenols; [The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225°C to 320°C (437°F to 608°F). Composed primarily of polyalkylphenols.]	84989-05-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 2,4- and 2,5-dimethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	84989-06-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, ethylphenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3- and 4-ethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	84989-03-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, 3,5-xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3,5-dimethylphenol, recovered by distillation of low-temperature coal tar acids.]	84989-07-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, residues, distillates, first-cut; Distillate Phenols; [The residue from the distillation in the range of 235°C to 355°C (481°F to 697°F) of light carbolic oil.]	68477-23-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Tar acids, cresylic, residues; Distillate Phenols; [The residue from crude coal tar acids after removal of phenol, cresols, xylenols and any higher boiling phenols. A black solid with a melting point approximately 80°C (176°F). Composed primarily of polyalkylphenols, resin gums, and inorganic salts.]	68555-24-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Phenols, C_{9-11}; Distillate Phenols	91079-47-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, cresylic; Distillate Phenols; [A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). It contains chiefly phenols and pyridine bases.]	92062-26-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar acids, brown-coal, C_2-alkylphenol fraction; Distillate Phenols; [The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Composed primarily of *m*- and *p*-ethylphenol as well as cresols and xylenols.]	94114-29-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract oils (coal), naphthalene oils; Acid Extract; [The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]	90641-00-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, quinoline derivs.; Distillate Bases	68513-87-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, quinoline derivs. fraction; Distillate Bases	70321-67-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, distn. residues; Distillate Bases; [The distillation residue remaining after the distillation of the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and toluidines.]	92062-29-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of a polyethylene/polypropylene reaction mass with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 120°C (158°F to 248°F).]	100801-63-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of 70°C to 120°C (158°F to 248°F).]	100801-65-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Hydrocarbon oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 210°C (158°F to 410°F).]	100801-66-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extract residues (coal), tar oil alk., naphthalene distn. residues; Naphthalene Oil Extract Residue; [The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four membered condensed ring aromatic hydrocarbons and aromatic nitrogen bases.]	73665-18-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Creosote oil, low-boiling distillate; Wash Oil; [The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillate, removed. It is crystal free at approximately 38°C (100°F).]	70321-80-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar acids, cresylic, sodium salts, caustic solns.; Alkaline Extract	68815-21-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Extract oils (coal), tar base; Acid Extract; [The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline, and their alkyl derivatives.]	65996-86-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Tar bases, coal, crude; Crude Tar Bases; [The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as acridine, phenanthridine, pyridine, quinoline and their alkyl derivatives.]	65996-84-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Residues (coal), liq. solvent extn.; [A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.]	94114-46-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Coal liquids, liq. solvent extn. soln.; [The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydro-genated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other aromatic oxygen compounds and their alkyl derivatives.]	94114-47-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Coal liquids, liq. solvent extn.; [The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic compounds and other aromatic oxygen compounds, and their alkyl derivatives.]	94114-48-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Tar brown-coal; [An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivates, heteroaromatics and one- and two-ring phenols boiling in the range of approximately 150 ^{o}C to 360 ^{o}C (302 ^{o}F to 680 ^{o}F).]	101316-83-0	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1

Tar, brown-coal, low-temp.; [A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic hydrocarbons and cyclic phenols.]	101316-84-1	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Light oil (coal), coke-oven; Crude benzole; [The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain other minor hydrocarbon constituents.]	65996-78-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal), liq. solvent extn., primary; [The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl derivatives having carbon numbers predominantly in the range of C_4 through C_{14}.]	94114-52-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal), solvent extn., hydrocracked; [Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C_4 through C_{14}. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	94114-53-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Naphtha (coal), solvent extn., hydrocracked; [Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C_4 to C_9. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	94114-54-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2

Gasoline, coal solvent extn., hydrocracked naphtha; [Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 °C to 180 °C (86 °F to 356 °F). Composed primarily of aromatic and naphthenic hydrocarbons, their alkyl derivatives and alkyl hydrocarbons having carbon numbers in the range of C_4 through C_9.]	94114-55-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (coal), solvent extn., hydrocracked middle; [Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 300°C (356°F to 572°F. Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C_9 through C_{14}. Nitrogen, sulfur and oxygen-containing compounds are also present.]	94114-56-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Distillates (coal), solvent extn., hydrocracked hydrogenated middle; [Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 280°C (356°F to 536°F). Composed primarily of hydrogenated two- ring carbon compounds and their alkyl derivatives having carbon numbers predominantly in the range of C_9 through C_{14}.]	94114-57-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Fuels, jet aircraft, coal solvent extn., hydrocracked hydrogenated; [Jet engine fuel produced by hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180 °C to 225 °C (356 °F to 473 °F). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C_{10} through C_{12}.]	94114-58-6	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3

Fuels, diesel, coal solvent extn., hydrocracked hydrogenated; [Diesel engine fuel produced by the hydrogenation of the middle distillate fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 200 °C to 280 °C (392 °F to 536 °F). Composed primarily of hydrogenated two-ring hydrocarbons and their alkyl derivatives having carbon numbers predominantly in the range of C_{11} through C_{14}.]	94114-59-7	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Light oil (coal), semi-coking process; Fresh oil; [The volatile organic liquid condensed from the gas evolved in the low-temperature (less than 700°C (1292°F)) destructive distillation of coal. Composed primarily of C_{6-10} hydrocarbons.]	90641-11-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46	R: 45-46 S: 53-45	C2	M2			C2 M2
Extracts (petroleum), light naphthenic distillate solvent	64742-03-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy paraffinic distillate solvent	64742-04-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light paraffinic distillate solvent	64742-05-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy naphthenic distillate solvent	64742-11-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light vacuum gas oil solvent	91995-78-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
hydrocarbons C_{26-55}, arom-rich	97722-04-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), atm. tower; Heavy Fuel oil; [A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64741-45-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Gas oils (petroleum), heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °F). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	64741-57-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{35} and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64741-61-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Clarified oils (petroleum), catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64741-62-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), hydrocracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F).]	64741-75-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64741-80-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), heavy thermal cracked; Heavy Fuel oil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{36} and boiling in the range of approximately 260 °C to 480 °C (500 °F to 896 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64741-81-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), hydrotreated vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{50} and boiling in the range of approximately 230 °C to 600 °C (446 °F to 1112 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64742-59-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), hydrodesulfurized atmospheric tower; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64742-78-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), hydrodesulfurized heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and boiling in the range of approximately 350 °C to 600 °C (662 °F to 1112 °C). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64742-86-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Residues (petroleum), steam-cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C_{14} and boiling above approximately 260 °C (500 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	64742-90-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), atmospheric; Heavy Fuel oil; [A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C_{11} and boiling above approximately 200 °C (392 °F). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	68333-22-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Clarified oils (petroleum), hydrodesulfurized catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	68333-26-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{30} and boiling in the range of approximately 205 °C to 450 °C (401 °F to 842 °F). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]	68333-27-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), hydrodesulfurized heavy catalytic cracked; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{35} and boiling in the range of approximately 260 °C to 500 °C (500 °F to 932 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	68333-28-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Fuel oil, residues-straight-run gas oils, high-sulfur; Heavy Fuel oil	68476-32-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Fuel oil, residual; Heavy Fuel oil; [The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.]	68476-33-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), catalytic reformer fractionator residue distn.; Heavy Fuel oil; [A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399 °C (750 °F).]	68478-13-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C_{13} and boiling above approximately 230 °C (446 °F).]	68478-17-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), heavy coker and light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C_{13} and boiling above approximately 230 °C (446 °F).]	68512-61-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Residues (petroleum), light vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C_{13} and boiling above approximately 230 °C (446 °F).]	68512-62-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), steam-cracked light; Heavy Fuel oil; [A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C_7 and boiling in the range of approximately 101 °C to 555 °C (214 °F to 1030 °F).]	68513-69-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Fuel oil, No 6; Heavy Fuel oil; [A distillate oil having a minimum viscosity of 900 SUS at 37.7 °C (100 °F) to a maximum of 9000 SUS at 37.7 °C (100 °F).]	68553-00-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), topping plant, low-sulfur; Heavy Fuel oil; [A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run gasoline cut, kerosene cut and gas oil cut have been removed.]	68607-30-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), heavy atmospheric; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{35} and boiling in the range of approximately 121 °C to 510 °C (250 °F to 950 °F).]	68783-08-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), coker scrubber, Condensed-ring-arom.-contg.; Heavy Fuel oil; [A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vaccum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C_{20} and boiling above approximately 350 °C (662 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed rind aromatic hydrocarbons.]	68783-13-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), petroleum residues vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude oil.]	68955-27-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), steam-cracked, resinous; Heavy Fuel oil; [A complex residuum from the distillation of steam-cracked petroleum residues.]	68955-36-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), intermediate vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum, distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{14} through C_{42} and boiling in the range of approximately 250 °C to 545 °C (482 °F to 1013 °F). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	70592-76-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{35} and boiling in the range of approximately 250 °C to 545 °C (482 °F to 1013 °F).]	70592-77-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having numbers predominantly in the range of C_{15} through C_{50} and boiling in the range of approximately 270 °C to 600 °C (518 °F to 1112 °F). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	70592-78-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Gas oils (petroleum), hydrodesulfurized coker heavy vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by hydrodesulfurization of heavy coker distillate stocks, It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C_{18} to C_{44} and boiling in the range of approximately 304 °C to 548 °C (579 °F to 1018 °F). Likely to contain 5 % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	85117-03-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), steam-cracked, distillates; Heavy Fuel oil; [A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and other hydrocarbons and organic sulfur compounds.]	90669-75-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), vacuum, light; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C_{24} and boiling above approximately 390 °C (734 °F).]	90669-76-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Fuel oil, heavy, high-sulfur; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers predominantly higher than C_{25} and boiling above approximately 400 °C (752 °F).]	92045-14-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), catalytic cracking; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C_{11} and boiling above approximately 200 °C (392 °F).]	92061-97-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), intermediate catalytic cracked, thermally degraded; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220 °C to 450 °C (428 °F to 842 °F). This stream is likely to contain organic sulfur compounds.]	92201-59-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum); Heavy Fuel oil; [A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a viscosity above 2cSt. at 100 °C.]	93821-66-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues, steam cracked, thermally treated; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam-cracked naphtha. It consists predominantly of unsaturated hydrocarbons boiling in the range above approximately 180 °C (356 °F).]	98219-64-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized full-range middle; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{25} and boiling in the range of approximately 150 °C to 400 °C (302 °F to 752 °F).]	101316-57-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), catalytic reformer fractionator; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{25} and boiling in the range of approximately 160 °C to 400 °C (320 °F to 725 °F). This stream is likely to contain 5 wt. % or more of 4- or 6-membered condensed ring aromatic hydrocarbons.]	64741-67-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Petroleum; Crude oil; [A complex combination of hydrocarbons, It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium, and heavy petroleums, as well as the oils extended from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as crude shale oils; upgraded shale oils and liquid coal fuels are not included in this definition.]	8002-05-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains a relatively large proportion of saturated aliphatic hydrocarbons normally present in this distillation range of crude oil.]	64741-50-0	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains a relatively large proportion of saturated aliphatic hydrocarbons.]	64741-51-1	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	64741-52-2	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1

Distillates (petroleum), heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64741-53-3	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), acid-treated heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-18-3	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), acid-treated light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-19-4	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), acid-treated heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil having a viscosity of a least 100 SUS at 100 °F (19cSt at 40 °C).]	64742-20-7	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), acid-treated light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil having a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).]	64742-21-8	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1

Distillates (petroleum), chemically neutralized heavy paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of aliphatic hydrocarbons.]	64742-27-4	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), chemically neutralized light paraffinic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity less than 100 SUS at 100 °F (19cSt at 40 °C).]	64742-28-5	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), chemically neutralized heavy naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-34-3	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Distillates (petroleum), chemically neutralized light naphthenic; Unrefined or mildly refined baseoil; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS a 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-35-4	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C_3-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C_2 through C_4, predominantly C_3.]	68477-73-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), catalytic cracker; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68477-74-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic cracker, C_{1-5}-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C_1 through C_6, predominantly C_1 through C_5.]	68477-75-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C_{2-4}-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C_2 through C_6, predominantly C_2 through C_4.]	68477-76-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic reformer, C_{1-4}-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C_1 through C_6, predominantly C_1 through C_4.]	68477-79-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{3-5} olefinic-paraffinic alkylation feed; Petroleum gas; [A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C_3 through C_5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these combinations.]	68477-83-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_4-rich; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C_3 through C_5, predominantly C_4.]	68477-85-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), deethanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]	68477-86-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), deisobutanizer tower overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_4.]	68477-87-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), depropanizer dry, propene-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.]	68477-90-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_4.]	68477-91-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), gas recovery plant depropanizer overheads; Petroleum gas; [A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C_1 through C_4, predominantly propane.]	68477-94-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), Girbotol unit feed; Petroleum gas; [A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_4.]	68477-95-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), isomerized naphtha fractionator, C_4-rich, hydrogen sulfide-free; Petroleum gas	68477-99-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-21-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), catalytic cracked naphtha stabilization absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-22-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionater; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having cabon numbers predominantly in the range of C_1 through C_5.]	68478-24-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68478-26-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), saturate gas plant mixed stream, C_4-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C_3 through C_6, predominantly butane and isobutane.]	68478-32-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), saturate gas recovery plant, C_{1-2}-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C_1through C_5, predominantly methane and ethane.]	68478-33-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), vacuum residues thermal cracker; Petroleum gas; [A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68478-34-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{3-4}-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C_3 through C_5, predominantly C_3 through C_4.]	68512-91-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C_2 through C_6.]	68513-15-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4. It may also contain small amounts of hydrogen and hydrogen sulfide.]	68513-16-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_6.]	68513-17-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Residues (petroleum), alkylation splitter, C_4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C_4 through C_5, predominantly butane and boiling in the range of approximately -11.7°C to 27.8°C (11°F to 82°F).]	68513-66-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Hydrocarbons, C_{1-4}; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4 and boiling in the range of approximately minus 164°C to minus 0.5°C (-263°F to 31°F).]	68514-31-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{1-4}, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4 and boiling in the range of approximately -164°C to -0.5°C (-263°F to 31°F).]	68514-36-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{1-3}; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3 and boiling in the range of approximately minus 164°C to minus 42°C (-263°F to -44°F).]	68527-16-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{1-4}, debutanizer fraction; Petroleum gas	68527-19-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{1-5}, wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68602-83-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{2-4}; Petroleum gas	68606-25-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_3; Petroleum gas	68606-26-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_4.]	68606-27-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]	68606-34-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68783-07-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_5.]	68783-64-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{2-4}, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C_2 through C_4 and boiling in the range of approximately -51°C to -34°C (-60°F to -30°F).]	68783-65-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), crude oil fractionation off; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68918-99-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), dehexanizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68919-00-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), light straight run gasoline fractionation stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68919-05-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), naphtha unifiner desulfurization stripper off; Petroleum gas; [A complex combination of hydrocarbons produced by a naphtha unifiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68919-06-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), straight-run naphtha catalytic reforming off; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane, and propane.]	68919-09-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), fluidized catalytic cracker splitter overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the fractionation of the charge to the C_3 -C_4 splitter. It consists predominantly of C_3 hydrocarbons.]	68919-20-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), straight-run stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68919-10-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic cracked naphtha debutanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68952-76-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68952-77-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber; petroleum gas; [A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists pedrominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68952-81-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68952-82-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum, light steam-cracked, butadiene conc.; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C_4.]	68955-28-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead; Petroleum gas; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_4.]	68955-34-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_4; Petroleum gas	87741-01-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Alkanes, C_{1-4}, C_3-rich; Petroleum gas	90622-55-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), steam-cracker C_3-rich; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately -70°C to 0°C (-94°F to 32°F).]	92045-22-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_4, steam-cracker distillate; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C_4, predominantly 1-butene and 2-butene, containing also butane and isobutene and boiling in the range of approximately minus 12°C to 5°C (10.4°F to 41°F).]	92045-23-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Petroleum gases, liquefied, sweetened, C_4 fraction; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting a liquified petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C_4 saturated and unsaturated hydrocarbons.]	92045-80-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_4, 1,3-butadiene- and isobutene-free; Petroleum gas	95465-89-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Raffinates (petroleum), steam-cracked C_4 fraction cuprous ammonium acetate extn., C_{3-5} and C_{3-5} unsatd., butadiene-free; Petroleum gas	97722-19-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), amine system feed; Refinery gas; [The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5 may also be present.]	68477-65-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), benzene unit hydrodesulfurizer off; Refinery gas; [Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6, including benzene, may also be present.]	68477-66-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), benzene unit recycle, hydrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C_1 through C_6.]	68477-67-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), blend oil, hydrogen-nitrogen-rich; Refinery gas; [A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68477-68-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic reformed naphtha stripper overheads; Refinery gas; [A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68477-77-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{6-8} catalytic reformer recycle; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C_6-C_8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68477-80-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{6-8} catalytic reformer; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C_6-C_8feed. It consists of hydrocarbons having carbon numbers in the range of C_1 through C_5 and hydrogen.]	68477-81-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{6-8} catalytic reformer recycle, hydrogen-rich; Refinery gas	68477-82-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), C_2-return stream; Refinery gas; [A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.]	68477-84-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), dry sour, gas-concn.-unit-off; Refinery gas; [The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	68477-92-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), gas concn. reabsorber distn.; Refinery gas; [A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C_1 through C_3.]	68477-93-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrogen absorber off; Refinery gas; [A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C_2 hydrocarbons.]	68477-96-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrogen-rich; Refinery gas; [A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C_2 hydrocarbons.]	68477-97-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich; Refinery gas; [A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68477-98-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), recycle, hydrogen-rich; Refinery gas; [A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C_1 through C_5.]	68478-00-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), reformer make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68478-01-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), reforming hydrotreater; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_5.]	68478-02-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_5.]	68478-03-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich; Refinery gas; [A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68478-04-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), thermal cracking distn.; Refinery gas; [A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-05-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), catalytic cracker refractionation absorber; Refinery gas; [A complex combination of hydrocarbons obtained from refractionation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	68478-25-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic reformed naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-27-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic reformed naphtha stabilizer; Refinery gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-28-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), cracked distillate hydrotreater separator; Refinery gas; [A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68478-29-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68478-30-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads; Refinery gas; [A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.]	68513-14-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), reformer effluent high-pressure flash drum off; Refinery gas; [A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	68513-18-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), reformer effluent low-pressure flash drum off; Refinery gas; [A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	68513-19-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), oil refinery gas distn. off; Refinery gas; [A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C_1 through C_6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_2, hydrogen, nitrogen, and carbon monoxide.]	68527-15-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), benzene unit hydrotreater depentanizer overheads; Refinery gas; [A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6. It may contain trace amounts of benzene.]	68602-82-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator; Refinery gas; [A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	68602-84-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Petroleum products, refinery gases; Refinery gas; [A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	68607-11-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrocracking low-pressure separator; Refinery gas; [A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	68783-06-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), refinery; Refinery gas; [A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	68814-67-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), platformer products separator off; Refinery gas; [A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_4.]	68814-90-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off; Refinery gas; [The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C_4 through C_5.]	68911-58-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrotreated sour kerosine flash drum; Refinery gas; [A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C_2 through C_5.]	68911-59-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), distillate unifiner desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the unifiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]	68919-01-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), fluidized catalytic cracker fractionation off; Refinery gas; [A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68919-02-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off; Refinery gas; [A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.]	68919-03-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off; Refinery gas; [A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68919-04-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), platformer stabilizer off, light ends fractionation; Refinery gas; [A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and propane.]	68919-07-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), preflash tower off, crude distn.; Refinery gas; [A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68919-08-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), tar stripper off; Refinery gas; [A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68919-11-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), unifiner stripper off; Refinery gas; [A combination of hydrogen and methane obtained by fractionation of the products from the unifiner unit.]	68919-12-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator; Refinery gas; [A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]	68952-79-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), straight-run naphtha hydrodesulfurizer; Refinery gas; [A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68952-80-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation; Refinery gas; [A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68955-33-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), crude distn. and catalytic cracking; Refinery gas; [A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68989-88-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), gas oil diethanolamine scrubber off; Refinery gas; [A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C_1 through C_5.]	92045-15-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), gas oil hydrodesulfurization effluent; Refinery gas; [A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_3.]	92045-16-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), gas oil hydrodesulfurization purge; Refinery gas; [A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	92045-17-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), hydrogenator effluent flash drum off; Refinery gas; [A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	92045-18-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), naphtha steam cracking high-pressure residual; Refinery gas; [A complex combination obtained as a reaction mass of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5 with which natural gas may also be mixed.]	92045-19-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), residue visbaking off; Refinery gas; [A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	92045-20-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Foots oil (petroleum), acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with sulfuric acid. It consists predominantly of branched-chain hydrocarbons with carbon numbers predominantly in the range of C_{20} through C_{50}.]	93924-31-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Foots oil (petroleum), clay-treated; Foots oil; [A complex combination of hydrocarbons obtained by treatment of Foot's oil with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of branched chain hydrocarbons with carbon numbers predominantly in the range of C_{20} through C_{50}.]	93924-32-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gases (petroleum), C_{3-4}; Petroleum gas; [A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C_3 through C_4, predominantly of propane and propylene, and boiling in the range of approximately -51°C to -1°C (-60°F to 30°F.)]	68131-75-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber; Petroleum gas; [The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C_1 through C_4.]	68307-98-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C_1 through C_4.]	68307-99-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68308-00-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), cracked distillate hydrotreater stripper; Petroleum gas; [A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68308-01-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68308-10-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), gas oil catalytic cracking absorber; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68308-03-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), gas recovery plant; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68308-04-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), gas recovery plant deethanizer; Petroleum gas; [A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68308-05-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68308-06-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68308-07-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68308-09-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68308-11-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free; Petroleum gas; [A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_6.]	68308-12-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic cracked overheads; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_5 and boiling in the range of approximately -48°C to 32°C (-54°F to 90°F).]	68409-99-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Alkanes, C_{1-2}; Petroleum gas	68475-57-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Alkanes, C_{2-3}; Petroleum gas	68475-58-1	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Alkanes, C_{3-4}; petroleum gas	68475-59-2	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Alkanes, C_{4-5}; Petroleum gas	68475-60-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Fuel gases; Petroleum gas; [A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]	68476-26-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Fuel gases, crude oil of distillates; Petroleum gas; [A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4 and boiling in the range of approximately -217°C to -12°C (-423°F to 10°F).]	68476-29-9	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{3-4}; Petroleum gas	68476-40-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{4-5}; Petroleum gas	68476-42-6	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Hydrocarbons, C_{2-4}, C_3-rich; Petroleum gas	68476-49-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Petroleum gases, liquefied; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	68476-85-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Petroleum gases, liquefied, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	68476-86-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
gases (petroleum), C_{3-4}, isobutane-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C_3 through C_6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C_3 through C_4, predominantly isobutane.]	68477-33-8	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Distillates (petroleum), C_{3-6}, piperylene-rich; Petroleum gas; [A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C_3 through C_6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C_3 through C_6, predominantly piperylenes.]	68477-35-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), butane splitter overheads; Petroleum gas; [A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_4.]	68477-69-0	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), C_{2-3}-; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]	68477-70-3	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2

Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C_4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C_3 through C_5, predominantly C_4.]	68477-71-4	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C_{3-5}-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_5.]	68477-72-5	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_4.]	68308-08-7	F+; R12 Carc. Cat. 1; R45 Muta. Cat. 2; R46	R: 45-46-12 S: 53-45	C1	M2			C1 M2
Foots oil (petroleum), carbon-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97862-76-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), sweetened middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{20} and boiling in the range of approximately 150 ^{o}C to 345 ^{o}C (302 ^{o}F to 653 ^{o}F).]	64741-86-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Gas oils (petroleum), solvent-refined; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{25} and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	64741-90-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{20} and boiling in the range of approximately 150 °C to 345 °C (302 °F to 653 °F).]	64741-91-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), acid-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{25} and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]	64742-12-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), acid-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{20} and boiling in the range of approximately 205 °C to 345 °C (401 °F to 653 °F).]	64742-13-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), acid-treated light; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{16} and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).]	64742-14-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), chemically neutralized; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{25} and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]	64742-29-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), chemically neutralized middle; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{20} and boiling in the range of approximately 205 °C to 345 °C (401 °F to 653 °F).]	64742-30-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), clay-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{20} and boiling in the range of approximately 150 °C to 345 °C (302 °F to 653 °F).]	64742-38-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrotreated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{25} and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	64742-46-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), hydrodesulfurized; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{25} and boiling in the range of approximately 230 °C to 400 °C (446 °F to 752 °F).]	64742-79-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{25} and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	64742-80-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Fuels, diesel; Gasoil - unspecified; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{20} and boiling in the range of approximately 163 °C to 357 °C (325 °F to 675 °F).]	68334-30-5	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Fuel oil, No 2; Gasoil - unspecified; [A distillate oil having a minimum viscosity of 32,6 SUS at 37,7 °C (100 °F) to a maximum of 37,9 SUS at 37,7 °C (100 °F).]	68476-30-2	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Fuel oil, No 4; Gasoil - unspecified; [A distillate oil having a minimum viscosity of 45 SUS at 37,7 °C (100 °F) to a maximum of 125 SUS at 37,7 °C (100 °F).]	68476-31-3	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Fuels, diesel, No 2; Gasoil - unspecified; [A distillate oil having a minimum viscosity of 32,6 SUS at 37,7 °C (100 °F).]	68476-34-6	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Distillates (petroleum), catalytic reformer fractionator residue, high-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fracftionator residue. It boils in the range of approximately 343 °C to 399 °C (650 °F to 750 °F).]	68477-29-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling; Gasoil - unspecified; [A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288 °C to 371 °C (550 °F to 700 °F).]	68477-30-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), catalytic reformer fractionator residue, low-boiling; Gasoil - unspecified; [The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288 °C (550 °F).]	68477-31-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), highly refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the subjection of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization and clay treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{20}.]	90640-93-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum) catalytic reformer, heavy arom. conc.; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{16} and boiling in the range of approximately 200 °C to 300 °C (392 °F to 572 °F).]	91995-34-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils, paraffinic; Gasoil - unspecified; [A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 190 °C to 330 °C (374 °F to 594 °F).]	93924-33-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Naphtha (petroleum), solvent-refined hydrodesulfurized heavy; Gasoil - unspecified	97488-96-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{16-20}, hydrotreated middle distillate, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{20} and boiling in the range of approximately 290 °C to 350 °C (554 °F to 662 °F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212 °F).]	97675-85-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Hydrocarbons, C_{12-20}, hydrotreated paraffinic, distn. lights; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{12} through C_{20} and boiling in the range of approximately 230 °C to 350 °C (446 °F to 662 °F). It produces a finished oil having a viscosity of 2cSt at 100 °C (212 °F).]	97675-86-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{11-17}, solvent-extd. light naphthenic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a visciosity of 2.2 cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{17} and boiling in the range of approximately 200 °C to 300 °C (392 °F to 572 °F).]	97722-08-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils, hydrotreated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{17} through C_{27} and boiling in the range of approximately 330 °C to 340 °C (626 °F to 644 °F).]	97862-78-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), carbon-treated light paraffinic; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{12} through C_{28}.]	100683-97-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), intermediate paraffinic, carbon-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{36}.]	100683-98-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), intermediate paraffinic, clay-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{36}.]	100683-99-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Alkanes, C_{12-26}-branched and linear	90622-53-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating greases; Grease; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C_{12} through C_{50}. May contain organic salts of alkali metals, alkaline earth metals, and/or aluminium compounds.]	74869-21-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum); Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{20}.]	64742-61-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), acid-treated; Slack wax; [A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{20}.]	90669-77-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and branched hydrocarbons having carbon numbers predominantly greater than C_{20}.]	90669-78-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Slack wax (petroleum), hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{20}.]	92062-09-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), low-melting; Slack wax; [A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	92062-10-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), low-melting, hydrotreated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	92062-11-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), low-melting, carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97863-04-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), low-melting, clay-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97863-05-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Slack wax (petroleum), low-melting, silicic acid-treated; Slack wax; [A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97863-06-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Slack wax (petroleum), carbon-treated; Slack wax; [A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar constituents and impurities.]	100684-49-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers predominantly greater than C_{25}.]	8009-03-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum (petroleum), oxidized; Petrolatum; [A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.]	64743-01-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum (petroleum), alumina-treated; Petrolatum; [A complex combination of hydrocarbons obtained when petrolatum is treated with Al_2O_3 to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon numbers predominantly greater than C_{25}.]	85029-74-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum (petroleum), hydrotreated; Petrolatum; [A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers predominantly greater than C_{20}.]	92045-77-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Petrolatum (petroleum), carbon-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C_{20}.]	97862-97-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum (petroleum), silicic acid-treated; Petrolatum; [A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C_{20}.]	97862-98-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Petrolatum (petroleum), clay-treated; Petrolatum; [A complex combination of hydrocarbons obtained by treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of greater than C_{25}.]	100684-33-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gasoline, natural; Low boiling point naphtha; [A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_8 and boiling in the range of approximately minus 20°C to 120°C (-4°F to 248°F).]	8006-61-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha; Low boiling point naphtha; [Refined, partly refined, or unrefined petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_6 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).]	8030-30-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Ligroine; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).]	8032-32-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), heavy straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12} and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	64741-41-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), full-range straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 220°C (-4°F to 428°F).]	64741-42-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light straight-run; Low boiling point naphtha; [A complex combination of hydrocarbons produced by distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{10} and boiling in the range of approximately -20°C to 180°C (-4°F to 356°F).]	64741-46-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Solvent naphtha (petroleum), light aliph.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{10} and boiling in the range of approximately 35°C to 160°C (95°F to 320°F).]	64742-89-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), straight-run light; Low boiling point naphtha; [A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C_2 through C_7 and boiling in the range of approximately -88°C to 99°C (-127°F to 210°F).]	68410-05-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Gasoline, vapor-recovery; Low boiling point naphtha; [A complex combination of hydrocarbons separated from the gases from vapor recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 196°C(-4°F to 384°F).]	68514-15-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Gasoline, straight-run, topping-plant; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range of approximately 36.1°C to 193.3°C (97°F to 380°F).]	68606-11-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), unsweetened; Low boiling point naphtha; [A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{12} and boiling in the range of approximately 0°C to 230°C (25°F to 446°F).]	68783-12-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads; Low boiling point naphtha; [A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_6.]	68921-08-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), heavy straight run, arom.-contg.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C_8 through C_{12} and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).]	101631-20-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), full-range alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C_3 through C_5 It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 90°C to 220°C (194°F to 428°F).]	64741-64-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), heavy alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C_3 to C_5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{12} and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).]	64741-65-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light alkylate; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C_3 through C_5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{10} and boiling in the range of approximately 90°C to 160°C (194°F to 320°F).]	64741-66-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), isomerization; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained from catalytic isomerization of straight chain paraffinic C_4 through C_6 hydrocarbons. It consists predominantly of saturated hydrocarbons such as isobutane, isopentane, 2,2-dimethylbutane, 2-methylpentane, and 3-methylpentane.]	64741-70-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).]	64741-84-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), solvent-refined heavy; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	64741-92-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated hydrocarbons having carbon numbers predominantly in the range of C_6 through C_9.]	68410-71-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Raffinates (petroleum), reformer, Lurgi unit-sepd.; Low boiling point modified naphtha; [The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts of aromatic hydrocarbons having carbon numbers predominantly in the range of C_6 through C_8.]	68425-35-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphta; [A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C_3 through C_5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} with some butanes and boiling in the range of approximately 35°C to 200°C (95°F to 428°F).]	68527-27-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), naphtha steam cracking-derived, solvent-refined light hydrotreated; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate from steam-cracked naphtha.]	91995-53-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), C_{4-12}, butane-alkylate, isooctane-rich; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{12}, rich in isooctane, and boiling in the range of approximately 35°C to 210°C (95°F to 410°F).]	92045-49-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Hydrocarbons, hydrotreated light naphtha distillates, solvent-refined; Low boiling point modified naphtha; [A combination of hydrocarbons obtained from the distillation of hydrotreated naphtha followed by a solvent extraction and distillation process. It consists predominantly of saturated hydrocarbons boiling in the range of approximately 94°C to 99°C (201°F to 210°F).]	92045-55-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), isomerization, C_6-fraction; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of a gasoline which has been catalytically isomerized. It consists predominantly of hexane isomers boiling in the range of approximately 60°C to 66°C (140°F to 151°F).]	92045-58-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{6-7}, naphtha-cracking, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by the sorption of benzene from a catalytically fully hydrogenated benzene-rich hydrocarbon cut that was distillatively obtained from prehydrogenated cracked naphtha. It consists predominantly of paraffinic and naphthenic hydrocarbons having carbon numbers predominantly in the range of C_6 through C_7 and boiling in the range of approximately 70°C to 100°C (158°F to 212°F).]	92045-64-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_6-rich, hydrotreated light naphtha distillates, solvent-refined; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained by distillation of hydrotreated naphtha followed by solvent extraction. It consists predominantly of saturated hydrocarbons and boiling in the range of approximately 65°C to 70°C (149°F to 158°F).]	101316-67-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), heavy catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by a distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12} and boiling in the range of approximately 65°C to 230°C (148°F to 446°F). It contains a relatively large proportion of unsaturated hydrocarbons.]	64741-54-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light catalytic cracked; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F). It contains a relatively large proportion of unsaturated hydrocarbons.]	64741-55-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{3-11}, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillations of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_{11} and boiling in a range approximately up to 204°C (400°F).]	68476-46-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), catalytic cracked light distd.; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_1 through C_5.]	68783-09-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), naphtha steam cracking-derived, hydrotreated light arom.; Low boiling point cat-cracked naphtha.; [A complex combination of hydrocarbons obtained by treating a light distillate from steam-cracked naphtha. It consists predominantly of aromatic hydrocarbons.]	91995-50-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), heavy catalytic cracked, sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a catalytic cracked petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12} and boiling in the range of approximately 60°C to 200°C (140°F to 392°F).]	92045-50-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light catalytic cracked sweetened; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting naphtha from a catalytic cracking process to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons boiling in a range of approximately 35°C to 210°C (95°F to 410°F).]	92045-59-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{8-12}, catalytic-cracking, chem. neutralized; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of a cut from the catalytic cracking process, having undergone an alkaline washing. It consists predominantly of hydrocarbons having carbon numbers in the range of C_8 through C_{12} and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).]	92128-94-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{8-12}, catalytic cracker distillates; Low boiling point cat-cracked naphtha; [A complex combination of hydrocarbons obtained by distillation of products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_8 through C_{12} and boiling in the range of approximately 140°C to 210°C (284°F to 410°F).]	101794-97-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{8-12}, catalytic cracking, chem. neutralized, sweetened; Low boiling point cat-cracked naphtha	101896-28-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately 35°C to 190°C (95°F to 374°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.]	64741-63-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), heavy catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	64741-68-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), catalytic reformed depentanizer; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons from the distillation of products from a catalytic reforming process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_3 through C_6 and boiling in the range of approximately -49°C to 63°C (-57°F to 145°F).]	68475-79-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{2-6}, C_{6-8} catalytic reformer; Low boiling point cat-reformed naphtha	68476-47-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Residues (petroleum), C_{6-8} catalytic reformer; Low boiling point cat-reformed naphtha; [A complex residuum from the catalytic reforming of C_{6-8} feed. It consists of hydrocarbons having carbon numbers predominantly in the range of C_2 through C_6.]	68478-15-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light catalytic reformed, arom.-free; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained from distillation of products from a catalytic reforming process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_8 and boiling in the range of approximately 35°C to 120°C (95°F to 248°F). It contains a relatively large proportion of branched chain hydrocarbons with the aromatic components removed.]	68513-03-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), catalytic reformed straight-run naphtha overheads; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha followed by the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_6.]	68513-63-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Petroleum products, hydrofiner-powerformer reformates; Low boiling point cat-reformed naphtha; [The complex combination of hydrocarbons obtained in a hydrofiner-powerformer process and boiling in a range of approximately 27°C to 210°C (80°F to 410°F).]	68514-79-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), full-range reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{12} and boiling in the range of approximately 35°C to 230°C (95°F to 446°F).]	68919-37-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), catalytic reformed; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{12} and boiling in the range of approximately 30°C to 220°C (90°F to 430°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.]	68955-35-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), catalytic reformed hydrotreated light, C_{8-12} arom. fraction; Low boiling point cat-reformed naphtha; [A complex combination of alkylbenzenes obtained by the catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes having carbon numbers predominantly in the range of C_8 through C_{10} and boiling in the range of approximately 160°C to 180°C (320°F to 356°F).]	85116-58-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_8, catalytic reforming-derived; Low boiling point cat-reformed naphtha	91995-18-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{7-12}, C_8-rich; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} (primarily C_8) and can contain nonaromatic hydrocarbons, both boiling in the range of approximately 130°C to 200°C (266°F to 392°F).]	93571-75-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Gasoline, C_{5-11}, high-octane stabilised reformed; Low boiling point cat-reformed naphtha; [A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and non-aromatics having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately 45°C to 185°C (113°F to 365°F).]	93572-29-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{7-12}, $C_{\geq 9}$-arom.-rich, reforming heavy fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 120°C to 210°C (248°F to 380°F) and C_9 and higher aromatic hydrocarbons.]	93572-35-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{5-11}, nonaroms.-rich, reforming light fraction; Low boiling point cat-reformed naphtha; [A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately 35°C to 125°C (94°F to 257°F), benzene and toluene.]	93572-36-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Foots oil (petroleum), silicic acid-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with silicic acid for removal of trace constituents and impurities. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C_{12}.]	97862-77-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Naphtha (petroleum), light thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_4 through C_8 and boiling in the range of approximately -10 °C to 130 °C (14 °F to 266 °F).]	64741-74-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), heavy thermal cracked; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons from distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12} and boiling in the range of approximately 65°C to 220°C (148°F to 428°F).]	64741-83-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), heavy arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This higher boiling fraction consists predominantly of C_{5-7} aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having carbon number predominantly of C_5. This stream may contain benzene.]	67891-79-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), light arom.; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This lower boiling fraction consists predominantly of C_{5-7} aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having a carbon number predominantly of C_5. This stream may contain benzene.]	67891-80-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of hydrocarbons having a carbon number of C_9 and boiling at approximately 204°C (400°F).]	68425-29-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{6-8}, naphtha-raffinate pyrolyzate-derived; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by the fractionation pyrolysis at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_6 through C_8, including benzene.]	68475-70-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Distillates (petroleum), thermal cracked naphtha and gas oil; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by distillation of thermally cracked naphtha and/or gas oil. It consists predominantly of olefinic hydrocarbons having a carbon number of C_5 and boiling in the range of approximately 33°C to 60°C (91°F to 140°F).]	68603-00-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), thermal cracked naphtha and gas oil, C_5-dimer-contg.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists predominantly of hydrocarbons having a carbon number of C_5 with some dimerized C_5 olefins and boiling in the range of approximately 33°C to 184°C (91°F to 363°F).]	68603-01-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), thermal cracked naphtha and gas oil, extractive; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists of paraffinic and olefinic hydrocarbons, predominantly isoamylenes such as 2-methyl-1-butene and 2-methyl-2-butene and boiling in the range of approximately 31°C to 40°C (88°F to 104°F).]	68603-03-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), light thermal cracked, debutanized arom.; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists predominantly of aromatic hydrocarbons, primarily benzene.]	68955-29-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light thermal cracked, sweetened; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate from the high temperature thermal cracking of heavy oil fractions to a sweetening process to convert mercaptans. It consists predominantly of aromatics, olefins and saturated hydrocarbons boiling in the range of approximately 20°C to 100°C (68°F to 212°F).]	92045-65-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{13} and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	64742-48-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).]	64742-49-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrodesulfurized light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).]	64742-73-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrodesulfurized heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	64742-82-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R48/20-65	R: 45-46-48/20-65 S: 45-53	C2	M2			C2 M2
Distillates (petroleum), hydrotreated middle, intermediate boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from a middle distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{10} and boiling in the range of approximately 127°C to 188°C (262°F to 370°F).]	68410-96-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Distillates (petroleum), light distillate hydrotreating process, low-boiling; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).]	68410-97-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation of the products from a heavy naphtha hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_3 through C_6 and boiling in the range of approximately -49°C to 68°C (-57°F to 155°F).]	68410-98-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Solvent naphtha (petroleum), light arom., hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_8 through C_{10} and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	68512-78-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrodesulfurized thermal cracked light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by fractionation of hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 to C_{11} and boiling in the range of approximately 23°C to 195°C (73°F to 383°F).]	85116-60-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrotreated light, cycloalkane-contg.; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from the distillation of a petroleum fraction. It consists predominantly of alkanes and cycloalkanes boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).]	85116-61-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), heavy steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha	92045-51-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), hydrodesulfurized full-range; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately 30°C to 250°C (86°F to 482°F).]	92045-52-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrotreated light steam-cracked; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction, derived from a pyrolysis process, with hydrogen in the presence of a catalyst. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).]	92045-57-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{4-12}, naphtha-cracking, hydrotreated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by distillation from the product of a naphtha steam cracking process and subsequent catalytic selective hydrogenation of gum formers. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{12} and boiling in the range of approximately 30°C to 230°C (86°F to 446°F).]	92045-61-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Solvent naphtha (petroleum), hydrotreated light naphthenic; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C_6 through C_7 and boiling in the range of approximately 73°C to 85°C (163°F to 185°F).]	92062-15-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons produced from the separation and subsequent hydrogenation of the products of a steam-cracking process to produce ethylene. It consists predominantly of saturated and unsaturated paraffins, cyclic paraffins and cyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{10} and boiling in the range of approximately 50°C to 200°C (122°F to 392°F). The proportion of benzene hydrocarbons may vary up to 30 wt. % and the stream may also contain small amounts of sulfur and oxygenated compounds.]	93165-55-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{6-11}, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]	93763-33-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{9-12}, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]	93763-34-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Stoddard solvent; Low boiling point naphtha - unspecified; [A colorless, refined petroleum distillate that is free from rancid or objectionable odors and that boils in a range of approximately 148.8°C to 204.4°C. (300°F to 400°F).]	8052-41-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R48/20-65	R: 45-46-48/20-65 S: 45-53	C2	M2			C2 M2
Natural gas condensates (petroleum); Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a surface separator by retrograde condensation. It consists mainly of hydrocarbons having carbon numbers predominantly in the range of C_2 to C_{20}. It is a liquid at atmospheric temperature and pressure.]	64741-47-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Natural gas (petroleum), raw liq. mix; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated as a liquid from natural gas in a gas recycling plant by processes such as refrigeration or absorption. It consists mainly of saturated aliphatic hydrocarbons having carbon numbers in the range of C_2 through C_8.]	64741-48-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light hydrocracked; Low boiling naphtha - unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{10}, and boiling in the range of approximately -20°C to 180°C (-4°F to 356°F).]	64741-69-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), heavy hydrocracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12}, and boiling in the range of approximately 65°C to 230°C (148°F to 446°F).]	64741-78-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{12} and boiling in the range of approximately -10°C to 230°C (14°F to 446°F).]	64741-87-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), acid-treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	64742-15-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), chemically neutralized heavy; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{12} and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	64742-22-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), chemically neutralized light; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).]	64742-23-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), catalytic dewaxed; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the catalytic dewaxing of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{12} and boiling in the range of approximately 35°C to 230°C (95°F to 446°F).]	64742-66-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light steam-cracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F). This stream is likely to contain 10 vol. % or more benzene.]	64742-83-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_8 through C_{10} and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	64742-95-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{6-10}, acid-treated, neutralized; Low boiling point naphtha - unspecified	68131-49-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), C_{3-5}, 2-methyl-2-butene-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons from the distillation of hydrocarbons usually ranging in carbon numbers from C_3 through C_5, predominantly isopentane and 3-methyl-1-butene. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C_3 through C_5, predominantly 2-methyl-2-butene.]	68477-34-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Distillates (petroleum), polymd. steam-cracked petroleum distillates, C_{5-12} fraction; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the distillation of polymerized steam-cracked petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{12}.]	68477-50-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), steam-cracked, C_{5-12} fraction; Low boiling point naphtha - unspecified; [A complex combination of organic compounds obtained by the distillation of products from a steam cracking process. It consists of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_5 through C_{12}.]	68477-53-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), steam-cracked, C_{5-10} fraction, mixed with light steam-cracked petroleum naphtha C_5 fraction; Low boiling point naphtha - unspecified	68477-55-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Extracts (petroleum), cold-acid, C_{4-6}; Low boiling point naphtha - unspecified; [A complex combination of organic compounds produced by cold acid unit extraction of saturated and unsaturated aliphatic hydrocarbons usually ranging in carbon numbers from C_3 through C_6, predominantly pentanes and amylenes. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers in the range of C_4 through C_6, predominantly C_5.]	68477-61-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), dependanizer overheads; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from a catalytic cracked gas stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_6.]	68477-89-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Residues (petroleum), butane splitter bottoms; Low boiling point naphtha - unspecified; [A complex residuum from the distillation of butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_6.]	68478-12-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Residual oils (petroleum), deisobutanizer tower; Low boiling point naphtha - unspecified; [A complex residuum from the atmospheric distillation of the butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C_4 through C_6.]	68478-16-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), full-range coker; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{15} and boiling in the range of approximately 43°C to 250°C (110°F-500°F).]	68513-02-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), steam-cracked middle arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by the distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 130°C to 220°C (266°F to 428°F).]	68516-20-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), clay-treated full-range straight-run; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons resulting from treatment of full-range straight-run naphtha with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately -20°C to 220°C (-4°F to 429°F).]	68527-21-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), clay-treated light straight-run; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons resulting from treatment of light straight-run naphtha with a natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{10} and boiling in the range of approximately 93°C to 180°C (200°F to 356°F).]	68527-22-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light steam-cracked arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_9 and boiling in the range of approximately 110°C to 165°C (230°F to 329°F).]	68527-23-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light steam-cracked, debenzenized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{12} and boiling in the range of approximately 80°C to 218°C (176°F to 424°F).]	68527-26-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), arom.-contg.; Low boiling point naphtha - unspecified	68603-08-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Gasoline, pyrolysis, debutanizer bottoms; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists of hydrocarbons having carbon numbers predominantly greater than C_5.]	68606-10-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light, sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C_3 through C_6 and boiling in the range of approximately -20°C to 100°C (-4°F to 212°F).]	68783-66-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Natural gas condensates; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons separated and/or condensed from natural gas during transportation and collected at the wellhead and/or from the production, gathering, transmission, and distribution pipelines in deeps, scrubbers, etc. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_2 through C_8.]	68919-39-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), naphtha unifiner stripper; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons produced by stripping the products from the naphtha unifiner. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C_2 through C_6.]	68921-09-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), catalytic reformed light, arom.-free fraction; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons remaining after removal of aromatic compounds from catalytic reformed light naphtha in a selective absorption process. It consists predominantly of paraffinic and cyclic compounds having carbon numbers predominantly in the range of C_5 to C_8 and boiling in the range of approximately 66°C to 121°C (151°F to 250°F).]	85116-59-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Gasoline; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C_3 and boiling in the range of 30°C to 260°C (86°F to 500°F).]	86290-81-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{7-8}, dealkylation products, distn. residues; Low boiling point naphtha - unspecified	90989-42-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{4-6}, depentanizer lights, arom. hydrotreater; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the depentanizer column before hydrotreatment of the aromatic charges. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_6, predominantly pentanes and pentenes, and boiling in the range of approximately 25°C to 40°C (77°F to 104°F).]	91995-38-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), heat-soaked steam-cracked naphtha, C_5-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of heat-soaked steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C_4 through C_6, predominantly C_5.]	91995-41-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Extracts (petroleum), catalytic reformed light naphtha solvent; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained as the extract from the solvent extraction of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_7 through C_8 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).]	91995-68-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), hydrodesulfurized light, dearomatized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of hydrodesulfurized and dearomatized light petroleum fractions. It consists predominantly of C_7 paraffins and cycloparaffins boiling in a range of approximately 90°C to 100°C (194°F to 212°F).]	92045-53-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light, C_5-rich, sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_5, predominantly C_5, and boiling in the range of approximately minus 10°C to 35°C (14°F to 95°F).]	92045-60-8	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{8-11}, naphtha-cracking, toluene cut; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation from prehydrogenated cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_8 through C_{11} and boiling in the range of approximately 130°C to 205°C (266°F to 401°F).]	92045-62-0	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{4-11}, naphtha-cracking, arom.-free; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from prehydrogenated cracked naphtha after distillative separation of benzene- and toluene-containing hydrocarbon cuts and a higher boiling fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_4 through C_{11} and boiling in the range of approximately 30°C to 205°C (86°F to 401°F).]	92045-63-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light heat-soaked, steam-cracked; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the fractionation of steam cracked naphtha after recovery from a heat soaking process. It consists predominantly of hydrocarbons having a carbon number predominantly in the range of C_4 through C_6 and boiling in the range of approximately 0°C to 80°C (32°F to 176°F).]	92201-97-3	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Distillates (petroleum), C_6-rich; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C_5 through C_7, rich in C_6, and boiling in the range of approximately 60°C to 70°C (140°F to 158°F).]	93165-19-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Gasoline, pyrolysis, hydrogenated; Low boiling point naphtha-unspecified; [A distillation fraction from the hydrogenation of pyrolysis gasoline boiling in the range of approximately 20°C to 200°C (68°F to 392°F).]	94114-03-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), steam-cracked, C_{8-12} fraction, polymd., distn. lights; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of the polymerized C_8 through C_{12} fraction from steam-cracked petroleum distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_8 through C_{12}.]	95009-23-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Extracts (petroleum) heavy naphtha solvent, clay-treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment of heavy naphthic solvent petroleum extract with bleaching earth. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_{10} and boiling in the range of approximately 80°C to 180°C (175°F to 356°F).]	97926-43-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), light steam-cracked, debenzenized, thermally treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment and distillation of debenzenized light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_7 through C_{12} and boiling in the range of approximately 95°C to 200°C (203°F to 392°F).]	98219-46-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Naphtha (petroleum), light steam-cracked, thermally treated; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the treatment and distillation of light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_6 and boiling in the range of approximately 35°C to 80°C (95°F to 176°F).]	98219-47-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), C_{7-9}, C_8-rich, hydrodesulfurized dearomatized; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of petroleum light fraction, hydrodesulfurized and dearomatized. It consists predominantly of hydrocarbons having carbon numbers in the range of C_7 through C_9, predominantly C_8 paraffins and cycloparaffins, boiling in the range of approximately 120°C to 130°C (248°F to 266°F).]	101316-56-7	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_{6-8}, hydrogenated sorption-dearomatized, toluene raffination; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained during the sorptions of toluene from a hydrocarbon fraction from cracked gasoline treated with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_6 through C_8 and boiling in the range of approximately 80°C to 135°C (176°F to 275°F).]	101316-66-9	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), hydrodesulfurised full-range coker; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurised coker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 to C_{11} and boiling in the range of approximately 23°C to 196°C (73°F to 385°F).]	101316-76-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Naphtha (petroleum), sweetened light; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_5 through C_8 and boiling in the range of approximately 20°C to 130°C (68°F to 266°F).]	101795-01-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2

Hydrocarbons, C_{3-6}, C_5-rich, steam-cracked naphtha; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C_3 through C_6, predominantly C_5.]	102110-14-5	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_5-rich, dicyclopentadiene-contg.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of the products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers of C_5 and dicyclopentadiene and boiling in the range of approximately 30°C to 170°C (86°F to 338°F).]	102110-15-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Residues (petroleum), steam-cracked light, arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by the distillation of the products of steam cracking or similar processes after taking off the very light products resulting in a residue starting with hydrocarbons having carbon numbers greater than C_5. It consists predominantly of aromatic hydrocarbons having carbon numbers greater than C_5 and boiling above approximately 40°C (104°F).]	102110-55-4	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, $C_{\geq 5}$, C_{5-6}-rich; Low boiling point naphtha - unspecified	68476-50-6	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Hydrocarbons, C_5-rich; Low boiling point naphtha - unspecified	68476-55-1	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Aromatic hydrocarbons, C_{8-10}; Low boiling point naphtha - unspecified	90989-39-2	Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65	R: 45-46-65 S: 53-45	C2	M2			C2 M2
Distillates (petroleum), light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{25} and boiling in the range of approximately 150 °C to 400 °C (302 °F to 752 °F). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]	64741-59-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), intermediate catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{11} through C_{30} and boiling in the range of approximately 205 °C to 450 °C (401 °F to 842 °F). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]	64741-60-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), light hydrocracked; Cracked gasoil; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{18} and boiling in the range of approximately 160 °C to 320 °C (320 °F to 608 °F).]	64741-77-1	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Distillates (petroleum), light thermal cracked; Cracked gasoil; [A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{22} and boiling in the range of approximately 160 °C to 370 °C (320 °F to 698 °F).]	64741-82-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized light catalytic cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by treating light catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C_9 through C_{25} and boiling in the range of approximately 150 °C to 400 °C (302 °F to 752 °F). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]	68333-25-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), light steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons from the multiple distillation of products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{10} through C_{18}.]	68475-80-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), cracked steam-cracked petroleum distillates; Cracked gasoil; [A complex combination of hydrocarbons produced by distilling cracked steam cracked distillate and/or its fractionation products. It consists of hydrocarbons having carbon numbers predominently in the range of C_{10} to low molecular weight polymers.]	68477-38-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), steam-cracked; Cracked gasoil; [A complex combination of hydrocarbons produced by distillation of the products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C_9 and boiling in the range of from approximately 205 °C to 400 °C (400 °F to 752 °F).]	68527-18-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized thermal cracked middle; Cracked gasoil; [A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized themal cracker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{11} to C_{25} and boiling in the range of approximately 205 °C to 400 °C (401 °F to 752 °F).]	85116-53-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Gas oils (petroleum), thermal-cracked, hydrodesulfurized; Cracked gasoil	92045-29-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), hydrogenated steam-cracked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as a residual fraction from the distillation of hydrotreated steam-cracked naphtha. It consists predominantly of hydrocarbons boiling in the range of approximately 200 °C to 350 °C (32 °F to 662 °F).]	92062-00-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), steam-cracked naphtha distn.; Cracked gasoil; [A complex combination of hydrocarbons obtained as a column bottom from the separation of effluents from steam cracking naphtha at a high temperature. It boils in the range of approximately 147 °C to 300 °C (297 °F to 572 °F) and produces a finished oil having a viscosity of 18cSt at 50 °C.]	92062-04-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), light catalytic cracked, thermally degraded; Cracked gasoil; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 190 °C to 340 °C (374 °F to 644 °F). This stream is likely to contain organic sulfur compounds.]	92201-60-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residues (petroleum), steam-cracked heat-soaked naphtha; Cracked gasoil; [A complex combination of hydrocarbons obtained as residue from the distillation of steam cracked heat soaked naphtha and boiling in the range of approximately 150 °C to 350 °C (302 °F to 662 °F).]	93763-85-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{16-20}, solvent-dewaxed hydrocracked paraffinic distn. residue; Cracked gasoil; [A complex combination of hydrocarbons obtained by solvent dewaxing of a distillation residue from a hydrocracked paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{20} and boiling in the range of approximately 360 °C to 500 °C (680 °F to 932 °F). It produces a finished oil having a viscosity of 4,5 cSt at approximately 100 °C (212 °F).]	97675-88-2	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized; Cracked gasoil; [A complex combination of hydrocarbons obtained by catalytic dehydrosulfurization of thermal-cracked light vacuum petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{14} through C_{20} and boiling in the range of approximately 270 °C to 370 °C (518 °F to 698 °F).]	97926-59-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrodesulfurized middle coker; Cracked gasoil; [A complex combination of hydrocarbons by fractionation from hydrodesulfurised coker distillate stocks. Is consists of hydro-carbons having carbon numbers predominantly in the range of C_{12} through C_{21} and boiling in the range of approximately 200 °C to 360 °C (392 °F to 680 °F).]	101316-59-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), heavy steam-cracked; Cracked gasoil; [A complex combination of hydrocarbons obtained by distillation of steam cracking heavy residues. It consists predominantly of highly alkylated heavy aromatic hydrocarbons boiling in the range of approximately 250 °C to 400 °C (482 °F to 752 °F).]	101631-14-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), heavy hydrocracked; Baseoil - unspecified; [A complex combination of hydrocarbons from the distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range of C_{15}-C_{39} and boiling in the range of approximately 260 °C to 600 °C (500 °F to 1112 °F).]	64741-76-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).]	64741-88-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).]	64741-89-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), solvent deasphalted; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the solvent soluble fraction from C_3-C_4 solvent deasphalting of a residuum. It consists of hydrocarbons having carbon numbers predominantly higher than C_{25} and boiling above approximately 400 °C (752 °F).]	64741-95-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), solvent-refined heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt a 40 °C). It contains relatively few normal paraffins.]	64741-96-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64741-97-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum,) solvent-refined; Baseoil - unspecified; [A complex combination by hydrocarbons obtained as the solvent insoluble fraction from solvent refining of a residuum using a polar organic solvent such as phenol or furfural. It consists of hydrocarbons having carbon numbers predominantly higher than C_{25} and boiling above approximately 400 °C (752 °F).]	64742-01-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), clay-treated paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-36-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), clay-treated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-37-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treatment of a residual oil with a natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydro-carbons having carbon numbers predominantly higher than C_{25} and boiling above approximately 400 °C (752 °F).]	64742-41-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), clay-treated heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-44-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), clay-treated light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-45-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil of at least 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	64742-52-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrotreated light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	64742-53-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil of at least 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-54-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrotreated light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains a relatively large proportion of saturated hydrocarbons.]	64742-55-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified; [A complex comination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C).]	64742-56-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Residual oils (petroleum), hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C_{25} and boiling above approximately 400 °C (752 °F).]	64742-57-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of long, branched chain hydrocarbons from a residual oil by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly greater than C_{25} and boiling above approximately 400 °C (752 °F).]	64742-62-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-dewaxed heavy naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} . through C_{50} and produces a finished oil of not less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-63-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-dewaxed light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-64-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).]	64742-65-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Naphthenic oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-68-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Naphthenic oils (petroleum), catalytic dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity less than 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-69-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C).]	64742-70-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin oils (petroleum), catalytic dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C).]	64742-71-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Naphthenic oils (petroleum), complex dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by removing straight chain paraffin hydrocarbons as a solid by treatment with an agent such as urea. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil having a viscosity of at least 100 SUS at 100 °F (19cSt at 40 °C). It contains relatively few normal paraffins.]	64742-75-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Naphthenic oils (petroleum), complex dewaxed light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil having a viscosity less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	64742-76-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{20-50}, hydrotreated neutral oil-based, high-viscosity; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil having a viscosity of approximately 112cSt at 40 ^{o}C. It contains a relatively large proportion of saturated hydrocarbons.]	72623-85-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{15-30}, hydrotreated neutral oil-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil and heavy vacuum gas oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil having a viscosity of approximately 15cSt at 40 ^{o}C. It contains a relatively large proportion of saturated hydrocabons.]	72623-86-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{20-50}, hydrotreated neutral oil-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of approximately 32cSt at 40 ^{o}C. It contains a relatively large proportion of saturated hydrocarbons.]	72623-87-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Lubricating oils; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from solvent extraction and dewaxing processes. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C_{15} through C_{50}.]	74869-22-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), complex dewaxed heavy paraffinci; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by dewaxing heavy paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil with a viscosity of equal to or greater than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	90640-91-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), complex dewaxed light paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by dewaxing light paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{12} through C_{30} and produces a finished oil with a viscosity of less than 100 SUS at 100 ^{o}F (19cSt at 40 ^{o}C). It contains relatively few normal paraffins.]	90640-92-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating dewaxed heavy paraffinic distillate with neutral or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50}.]	90640-94-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{20-50}, solvent dewaxed heavy paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons produced by treating dewaxed heavy paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50}.]	90640-95-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated; Baseoil - unspecified; [A complex combination of hydrocarbons resulting from treatment of dewaxed light paraffinic distillate with natural or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30}.]	90640-96-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons produced by treating a dewaxed light paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30}.]	90640-97-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), hydrotreated solvent dewaxed; Baseoil - unspecified	90669-74-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), catalytic dewaxed; Baseoil - unspecified	91770-57-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{25} through C_{39} and produces a finished oil with a viscosity of approximately 44 cSt at 50 ^{o}C.]	91995-39-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), dewaxed light paraffinic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C_{21} through C_{29} and produces a finished oil with a viscosity of approximately 13 cSt at 50 ^{o}C.]	91995-40-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), hydrocracked solvent-refined, dewaxed; Baseoil - unspecified; [A complex combination of liquid hydrocarbons obtained by recrystallization of dewaxed hydrocracked solvent-refined petroleum distillates.]	91995-45-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), solvent-refined light naphthenic, hydrotreated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst and removing the aromatic hydrocarbons by solvent extraction. It consists predominantly of naphthenic hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30} and produces a finished oil with a viscosity of between 13-15cSt at 40 °C.]	91995-54-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{17-35}, solvent-extd., dewaxed, hydrotreated; Baseoil - unspecified	92045-42-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), hydrocracked nonarom. solvent-deparaffined; Baseoil - unspecified	92045-43-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons produced by solvent removal of paraffins from the residue of the distillation of acid-treated, hydrocracked heavy paraffins and boiling approximately above 380 °C (716 °F).]	92061-86-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Paraffin oils (petroleum), solvent-refined dewaxed heavy; Baseoil - unspecified; [A complex combination of hydrocarbons obtained from sulfur-containing paraffinic crude oil. It consists predominantly of a solvent refined deparaffinated lubricating oil with a viscosity of 65cSt at 50 °C.]	92129-09-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), base oils, paraffinic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by refining of crude oil. It consists predominantly of aromatics, naphthenics and paraffinics and produces a finished oil with a viscosity of 120 SUS at 100 °F (23cSt at 40 °C).]	93572-43-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed; Baseoil - unspecified	93763-38-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{20-50}, residual oil hydrogenation vacuum distillate; Baseoil - unspecified	93924-61-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated; Baseoil - unspecified	94733-08-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), solvent-refined hydrocracked light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent dearomatization of the residue of hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{18} through C_{27} and boiling in the range of approximately 370 °C to 450 °C (698 °F to 842 °F).]	94733-09-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{18-40}, solvent-dewaxed hydrocracked distillate-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the distillation residue from hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{18} through C_{40} and boiling in the range of approximately 370 °C to 550 °C (698 °F to 1022 °F).]	94733-15-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{18-40}, solvent-dewaxed hydrogenated raffinate-based; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent deparaffination of the hydrogenated raffinate obtained by solvent extraction of a hydrotreated petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{18} through C_{40} and boiling in the range of approximately 370 °C to 550 °C (698 °F to 1022 °F).]	94733-16-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{13-30}, arom.-rich, solvent-extd. naphthenic distillate; Baseoil - unspecified	95371-04-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{16-32}, arom. rich, solvent-extd. naphthenic distillate; Baseoil - unspecified	95371-05-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{37-68}, dewaxed deasphalted hydrotreated vacuum distn. residues; Baseoil - unspecified	95371-07-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{37-65}, hydrotreated deasphalted vacuum distn. residues; Baseoil - unspecified	95371-08-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Distillates (petroleum), hydrocracked solvent-refined light; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by the solvent treatment of a distillate from hydrocracked petroleum distillates. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{18} through C_{27} and boiling in the range of approximately 370 °C to 450 °C (698 °F to 842 °F.]	97488-73-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Distillates (petroleum), solvent-refined hydrogenated heavy; Baseoil - unspecified; [A complex combination of hydrocarbons, obtained by the treatment of a hydrogenated petroleum distillate with a solvent. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{19} through C_{40} and boiling in the range of approximately 390 °C to 550 °C (734 °F to 1022 °F).]	97488-74-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{18-27}, hydrocracked solvent-dewaxed; Baseoil - unspecified	97488-95-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{17-30}, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a solvent deasphalted short residue with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{17} through C_{30} and boiling in the range of approximately 300 °C to 400 °C (572 °F to 752 °F). It produces a finished oil having a viscosity of 4cSt at approximately 100 °C (212 °F).]	97675-87-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{17-40}, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights; Baseoil - unspecified; [A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the catalytic hydrotreatment of a solvent deasphalted short residue having a viscosity of 8cSt at approximately 100 °C (212 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{17} through C_{40} and boiling in the range of approximately 300 °C to 500 °C (592 °F to 932 °F).]	97722-06-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Hydrocarbons, C_{13-27}, solvent-extd. light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 9.5cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{27} and boiling in the range of approximately 240 °C to 400 °C (464 °F to 752 °F.]	97722-09-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{14-29}, solvent-extd. light naphthenic; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 16cSt at 40 °C (104 °F). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{14} through C_{29} and boiling in the range of approximately 250 °C to 425 °C (482 °F to 797 °F).]	97722-10-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{27-42}, dearomatized; Baseoil - unspecified	97862-81-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{17-30}, hydrotreated distillates, distn. lights; Baseoil - unspecified	97862-82-3	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{27-45}, naphthenic vacuum distn.; Baseoil - unspecified	97862-83-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{27-45}, dearomatized; Baseoil - unspecified	97926-68-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{20-58}, hydrotreated; Baseoil - unspecified	97926-70-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Hydrocarbons, C_{27-42}, naphthenic; Baseoil - unspecified	97926-71-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), carbon-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by the treatment of solvent-dewaxed petroleum residual oils with activated charcoal for the removal of trace polar constituents and impurities.]	100684-37-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Residual oils (petroleum), clay-treated solvent-dewaxed; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by treatment of solvent-dewaxed petroleum residual oils with bleaching earth for the removal of trace polar constituents and impurities.]	100684-38-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Lubricating oils (petroleum), C $_{>25}$, solvent-extd., deasphalted, dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of vacuum distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C_{25} and produces a finished oil with a viscosity in the order of 32cSt to 37cSt at 100 °C (212 °F).]	101316-69-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{17-32}, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{17} through C_{32} and produced a finished oil with a viscosity in the order of 17cSt to 23cSt at 40 °C (104 °F.]	101316-70-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{20-35}, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{35} and produces a finished oil with a viscosity in the order of 37cSt to 44cSt at 40 °C (104 °F).]	101316-71-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Lubricating oils (petroleum), C_{24-50}, solvent-extd., dewaxed, hydrogenated; Baseoil - unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{24} through C_{50} and produces a finished oil with a viscosity in the order of 16cSt to 75cSt at 40 °C (104 °F).]	101316-72-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.; Distillate aromatic extract (treated); [An aromatic concentrate produced by adding water to heavy naphthenic distillate solvent extract and extraction solvent.]	68783-00-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from the re-extraction of solvent-refined heavy paraffinic distillate. It consists of saturated and aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50}.]	68783-04-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from a solvent extraction of heavy paraffinic distillate.]	68814-89-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating a heavy naphthenic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50} and produces a finished oil of at least 19cSt at 40 ^{o}C (100 SUS at 100 ^{o}F).]	90641-07-9	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a heavy paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{21} through C_{33} and boiling in the range of approximately 350 ^{o}C to 480 ^{o}C (662 ^{o}F to 896 ^{o}F).	90641-08-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a light paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{17} through C_{26} and boiling in the range of approximately 280 ^{o}C to 400 ^{o}C (536 ^{o}F to 752 ^{o}F).]	90641-09-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Extracts (petroleum), hydrotreated light paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from solvent extraction of intermediate paraffinic top solvent distillate that is treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{36}.]	91995-73-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating the extract, obtained from a solvent extraction process, with hydrogen in the presence of a catalyst under conditions primarily to remove sulfur compounds. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{30}. This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	91995-75-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light paraffinic distillate solvent, acid-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction of the distillation of an extract from the solvent extraction of light paraffinic top petroleum distillates that is subjected to a sulfuric acid refining. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{32}.]	91995-76-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of a light paraffin distillate and treated with hydrogen to convert the organic sulfur to hydrogen sulfide which is eliminated. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{40} and produces a finished oil with a viscosity of greater than 10cSt at 40 ^{o}C.]	91995-77-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Extracts (petroleum), light vacuum gas oil solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons, obtained by solvent extraction from light vacuum petroleum gas oils and treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{30}.]	91995-79-8	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contact or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50}. This stream is likely to contain 5 wt.% or more 4-6 membered ring aromatic hydrocarbons.]	92704-08-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{50} and produces a finished oil with a viscosity of greater than 19cSt at 40 ^{o}C.]	93763-10-1	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained from a solvent dewaxed petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C_{15} through C_{50} and produces a finished oil with a viscosity of greater than 19cSt at 40 ^{o}C.]	93763-11-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Extracts (petroleum), light paraffinic distillate solvent, carbon-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillate treated with activated charcoal to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{32}.]	100684-02-4	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light paraffinic distillate solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillates treated with bleaching earth to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{16} through C_{32}.]	100684-03-5	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oil treated with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{30}.]	100684-04-6	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Extracts (petroleum), light vacuum gas oil solvent, clay-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oils treated with bleaching earth for removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C_{13} through C_{30}.]	100684-05-7	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2

Foots oil (petroleum); Foots oil; [A complex combination of hydrocarbons obtained as the oil fraction from a solvent deoiling or a wax sweating process. It consists predominantly of branched chain hydrocarbons having carbon numbers predominantly in the range of C_{20} through C_{50}.]	64742-67-2	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
Foots oil (petroleum), hydrotreated; Foots oil	92045-12-0	Carc. Cat. 2; R45	R: 45 S: 53-45	C2				C2
chlordimeform (ISO); *N* $_2$-(4-chloro-*o*-tolyl)-*N* $_1$,*N* $_1$-dimethylformamidine	6164-98-3	Carc. Cat. 3; R40 Xn; R21/22 N; R50-53	R: 21/22-40-50/53 S: (2-)22-36/37-60-61	C3				C3
chlordimeform hydrochloride; *N* '-(4-chloro-*o*-tolyl)-*N* ,*N*-dimethylformamidine monohydrochloride; *N* ^{2}-(4-chloro-*o*-tolyl)-*N* ^{1},*N* ^{1}-dimethylformamidine hydorchloride	19750-95-9	Carc. Cat. 3; R40 Xn; R22 N; R50-53	R: 22-40-50/53 S: (2-)22-36/37-60-61	C3				C3
benzyl violet 4B; α-[4-(4-dimethylamino-α-{}{4-[ethyl(3-sodiosulphonatobenzyl)amino] phenyl}}benzylidene)cyclohexa-2,5-dienylidene(ethyl)ammonio]toluene-3-sulphonate	1694-09-3	Carc. Cat. 3; R40	R: 40 S: (2-)36/37	C3				C3
erionite	12510-42-8	Carc. Cat. 1; R45	R: 45 S: 53-45	C1				C1
asbestos	12001-28-4 132207-32-0 12172-73-5 77536-66-4 77536-68-6 77536-67-5 12001-29-5	Carc. Cat. 1; R45 T; R48/23	R: 45-48/23 S: 53-45	C1				C1
Mineral wool, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide ($Na_2O+K_2O+CaO+MgO+BaO$) content greater than 18 % by weight]	-	Carc. Cat. 3 ; R40	R: 40 S: (2-)36/37	C3				C3
Refractory Ceramic Fibres, Special Purpose Fibres, with the exception of those specified elsewhere in this Annex; [Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide ($Na_2O+K_2O+CaO+$ MgO+BaO) content less or equal to 18 % by weight]	-	Carc. Cat. 2; R49	R: 49 S: 53-45	C2				C2

reaction product of: acetophenone, formaldehyde, cyclohexylamine, methanol and acetic acid	-	R10 Carc. Cat. 3; R40 C; R34 Xn; R20 R43 N; R50-53	R: 10-20-34-40-43-50/53 S: (1/2-)26-36/37/39-45-60-61	C3				C3
cyproconazole (ISO); (2*RS*,3*RS*;2*RS*,3*SR*)-2-(4-chlorophenyl)-3-cyclopropyl-1-(1*H*-1,2,4-triazol-1-yl)butan-2-ol	94361-06-5	Repr. Cat. 3; R63 Xn; R22 N; R50-53	R: 22-50/53-63 S: (2-)36/37-60-61			R3		R3

Le document ci-dessus présente la liste des substances classées cancérogènes et/ou mutagènes et/ou toxiques pour la reproduction selon le règlement (CE) n° 1272/2008 du Parlement européen et du Conseil du 16 décembre 2008 en l'état de sa 5e ATP.

Avertissement : l'unité de Prévention du risque chimique ne peut en aucun cas être tenue pour responsable des conséquences éventuelles de l'utilisation de ces informations. Seules les informations figurant dans la réglementation susmentionnée font foi.

CNRS – Unité de Prévention du risque chimique, janvier 2014.