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Commission Regulation (EU) No 109/2012. (See end of Document for details)

ANNEX U.K.

Annex XVII to Regulation (EC) No 1907/2006 is amended as follows:

- (1) In the table setting out the designation of the substances, groups of substances and mixtures and the conditions of restriction, in Column 2 of entries 28, 29 and 30, in paragraph 2, the following point (e) is added:
 - the substances listed in Appendix 11, column 1, for the applications or uses (e) listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.
- (2) In the Appendices 1 to 6, in the foreword, a note B is inserted between note A and note C, as follows: *Note B:*

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

- (3) In Appendix 1 the table is amended as follows:
 - The following entries are inserted in accordance with the order of the entries (a) set out in Appendix 1 of Annex XVII of Regulation (EC) No 1907/2006:

Nickel dihydroxide; [1]	028-008-00- X	235-008-5 [1]	12054-48-7 [1]	
Nickel hydroxide; [2]		234-348-1 [2]	11113-74-9 [2]	
Nickel sulfate	028-009-00-5	232-104-9	7786-81-4	
Nickel carbonate;	028-010-00-0			
Basic nickel carbonate;				
Carbonic acid, nickel (2+) salt; [1]		222-068-2 [1]	3333-67-3 [1]	
Carbonic acid, nickel salt; [2]		240-408-8 [2]	16337-84-1 [2]	
[μ- [carbonato(2-) O:O']] dihydroxy trinickel; [3]	-	265-748-4 [3]	65405-96-1 [3]	

[carbonato(2-) tetrahydroxytr [4]		235-715-9 [4]	12607-70-4 [4]	
Nickel dichloride	028-011-00-6	231-743-0	7718-54-9	
Nickel dinitrate; [1]	028-012-00-1	236-068-5 [1]	13138-45-9 [1]	
Nitric acid, nickel salt; [2]		238-076-4 [2]	14216-75-2 [2]	
Nickel matte	028-013-00-7	273-749-6	69012-50-6	
Slimes and sludges, copper electrolytic refining, decopperised, nickel sulphate	028-014-00-2	295-859-3	92129-57-2	
Slimes and sludges, copper electrolyte refining, decopperised	028-015-00-8	305-433-1	94551-87-8	
Nickel diperchlorate; Perchloric acid, nickel (II) salt	028-016-00-3	237-124-1	13637-71-3	
Nickel dipotassium bis(sulfate); [1]	028-017-00-9	237-563-9 [1]	13842-46-1 [1]	
Diammonium nickel bis(sulfate); [2]		239-793-2 [2]	15699-18-0 [2]	
Nickel bis(sulfamidat Nickel sulfamate	028-018-00-4 e);	237-396-1	13770-89-3	
Nickel bis(tetrafluoro	028-019-00- b&rate)	238-753-4	14708-14-6	

Nickel diformate; [1]	028-021-00-0	222-101-0 [1]	3349-06-2 [1]	
Formic acid, nickel salt; [2]		239-946-6 [2]	15843-02-4 [2]	
Formic acid, copper nickel salt; [3]		268-755-0 [3]	68134-59-8 [3]	
Nickel di(acetate); [1]	028-022-00-6	206-761-7 [1]	373-02-4 [1]	
Nickel acetate; [2]		239-086-1 [2]	14998-37-9 [2]	
Nickel dibenzoate	028-024-00-7	209-046-8	553-71-9	
Nickel bis(4-cyclohexylbut	028-025-00-2 yrate)	223-463-2	3906-55-6	
Nickel (II) stearate; Nickel (II) octadecanoate	028-026-00-8	218-744-1	2223-95-2	
Nickel dilactate	028-027-00-3		16039-61-5	
Nickel (II) octanoate	028-028-00-9	225-656-7	4995-91-9	
Nickel difluoride; [1]	028-029-00-4	233-071-3 [1]	10028-18-9 [1]	
Nickel dibromide; [2]		236-665-0 [2]	13462-88-9 [2]	
Nickel diiodide; [3]		236-666-6 [3]	13462-90-3 [3]	
Nickel potassium fluoride; [4]		- [4]	11132-10-8 [4]	
Nickel hexafluorosilie	028-030-00- axte	247-430-7	26043-11-8	
Nickel selenate	028-031-00-5	239-125-2	15060-62-5	
Nickel hydrogen	028-032-00-0	238-278-2 [1]	14332-34-4 [1]	

phosphate; [1]				
Nickel bis(dihydrogen phosphate); [2]	ı	242-522-3 [2]	18718-11-1 [2]	
Trinickel bis(orthophosp [3]	ohate);	233-844-5 [3]	10381-36-9 [3]	
Dinickel diphosphate; [4]		238-426-6 [4]	14448-18-1 [4]	
Nickel bis(phosphinat [5]	te);	238-511-8 [5]	14507-36-9 [5]	
Nickel phosphinate; [6]		252-840-4 [6]	36026-88-7 [6]	
Phosphoric acid, calcium nickel salt; [7]		- [7]	17169-61-8 [7]	
Diphosphoric acid, nickel (II) salt; [8]		- [8]	19372-20-4 [8]	
Diammonium nickel hexacyanoferr	028-033-00-6 ate	_	74195-78-1	
Nickel dicyanide	028-034-00-1	209-160-8	557-19-7	
Nickel chromate	028-035-00-7	238-766-5	14721-18-7	
Nickel (II) silicate; [1]	028-036-00-2	244-578-4 [1]	21784-78-1 [1]	
Dinickel orthosilicate; [2]		237-411-1 [2]	13775-54-7 [2]	
Nickel silicate (3:4); [3]		250-788-7 [3]	31748-25-1 [3]	
Silicic acid, nickel salt; [4]		253-461-7 [4]	37321-15-6 [4]	

Trihydrogen hydroxybis[or [5]	thosilicato(4-)]	235-688-3 http://ckelate(3-);	12519-85-6 [5]	
Dinickel hexacyanoferr	028-037-00-8 ate	238-946-3	14874-78-3	
Trinickel bis(arsenate); Nickel (II) arsenate	028-038-00-3	236-771-7	13477-70-8	
Nickel oxalate; [1]	028-039-00-9	208-933-7 [1]	547-67-1 [1]	
Oxalic acid, nickel salt; [2]		243-867-2 [2]	20543-06-0 [2]	
Nickel telluride	028-040-00-4	235-260-6	12142-88-0	
Trinickel tetrasulfide	028-041-00- X	_	12137-12-1	
Trinickel bis(arsenite)	028-042-00-5	_	74646-29-0	
Cobalt nickel gray periclase;	028-043-00-0			
C.I. Pigment Black 25;				
C.I. 77332; [1]		269-051-6 [1]	68186-89-0 [1]	
Cobalt nickel dioxide; [2]		261-346-8 [2]	58591-45-0 [2]	
Cobalt nickel oxide; [3]		-[3]	12737-30-3 [3]	
Nickel tin trioxide; Nickel stannate	028-044-00-6	234-824-9	12035-38-0	
Nickel triuranium decaoxide	028-045-00-1	239-876-6	15780-33-3	
Nickel dithiocyanate	028-046-00-7	237-205-1	13689-92-4	
Nickel dichromate	028-047-00-2	239-646-5	15586-38-6	

Nickel (II) selenite	028-048-00-8	233-263-7	10101-96-9	
Nickel selenide	028-049-00-3	215-216-2	1314-05-2	
Silicic acid, lead nickel salt	028-050-00-9		68130-19-8	
Nickel diarsenide; [1]	028-051-00-4	235-103-1 [1]	12068-61-0 [1]	
Nickel arsenide; [2]		248-169-1 [2]	27016-75-7 [2]	
Nickel barium titanium primrose priderite;	028-052-00- X	271-853-6	68610-24-2	
C.I. Pigment Yellow 157;				
C.I. 77900				
Nickel dichlorate; [1]	028-053-00-5	267-897-0 [1]	67952-43-6 [1]	
Nickel dibromate; [2]		238-596-1 [2]	14550-87-9 [2]	
Ethyl hydrogen sulfate, nickel (II) salt; [3]		275-897-7 [3]	71720-48-4 [3]	
Nickel (II) trifluoroacetat [1]	028-054-00-0 e;	240-235-8 [1]	16083-14-0 [1]	
Nickel (II) propionate; [2]		222-102-6 [2]	3349-08-4 [2]	
Nickel bis(benzenesu [3]	lfonate);	254-642-3 [3]	39819-65-3 [3]	
Nickel (II) hydrogen citrate; [4]		242-533-3 [4]	18721-51-2 [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]

242-161-1	18283-82-4
[5]	[5]
245-119-0	22605-92-1
[6]	[6]
224-699-9	4454-16-4
[7]	[7]
231-480-1	7580-31-6
[8]	[8]
301-323-2	93983-68-7
[9]	[9]
249-555-2	29317-63-3
[10]	[10]
248-585-3	27637-46-3
[11]	[11]
284-349-6	84852-37-9
[12]	[12]
300-094-6	93920-10-6
[13]	[13]
287-468-1	85508-43-6
[14]	[14]
287-469-7	85508-44-7
[15]	[15]
257-447-1	51818-56-5
[16]	[16]
300-093-0	93920-09-3
[17]	[17]
276-205-6	71957-07-8
[18]	[18]

Nickel 3,5- bis(tert- butyl)-4- hydroxybenzoate (1:2); [19]	258-051-1 [19]	52625-25-9 [19]
Nickel (II) palmitate; [20]	237-138-8 [20]	13654-40-5 [20]
(2- ethylhexanoato- O) (isononanoato- O)nickel; [21]	287-470-2 [21]	85508-45-8 [21]
(isononanoato-O) (isooctanoato-O)nickel; [22]	287-471-8 [22]	85508-46-9 [22]
(isooctanoato-O) (neodecanoato-O)nickel; [23]	284-347-5 [23]	84852-35-7 [23]
(2ethylhexanoato- O) (isodecanoato- O)nickel; [24]	284-351-7 [24]	84852-39-1 [24]
(2- ethylhexanoato- O) (neodecanoato- O)nickel; [25]	285-698-7 [25]	85135-77-9 [25]
(isodecanoato-O) (isooctanoato-O)nickel; [26]	285-909-2 [26]	85166-19-4 [26]
(isodecanoato-O) (isononanoato-O)nickel; [27]	284-348-0 [27]	84852-36-8 [27]
(isononanoato- O) (neodecanoato-	287-592-6 [28]	85551-28-6 [28]

O)nickel; [28]				
Fatty acids, C ₆₋₁₉ - branched, nickel salts; [29]		294-302-1 [29]	91697-41-5 [29]	
Fatty acids, C ₈₋₁₈ and C ₁₈ -unsaturated, nickel salts; [30]		283-972-0 [30]	84776-45-4 [30]	
2,7- Naphthalenedi acid, nickel (II) salt; [31]	sulfonic	- [31]	72319-19-8 [31]	
Nickel (II) sulfite; [1]	028-055-00-6	231-827-7 [1]	7757-95-1 [1]	
Nickel tellurium trioxide; [2]		239-967-0 [2]	15851-52-2 [2]	
Nickel tellurium tetraoxide; [3]		239-974-9 [3]	15852-21-8 [3]	
Molybdenum nickel hydroxide oxide phosphate; [4]		268-585-7 [4]	68130-36-9 [4]	
Nickel boride (NiB); [1]	028-056-00-1	234-493-0 [1]	12007-00-0 [1]	
Dinickel boride; [2]		234-494-6 [2]	12007-01-1 [2]	
Trinickel boride; [3]		234-495-1 [3]	12007-02-2 [3]	
Nickel boride; [4]		235-723-2 [4]	12619-90-8 [4]	
Dinickel silicide; [5]		235-033-1 [5]	12059-14-2 [5]	
Nickel disilicide; [6]		235-379-3 [6]	12201-89-7 [6]	

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Dinickel phosphide; [7]		234-828-0 [7]	12035-64-2 [7]	
Nickel boron phosphide; [8]		- [8]	65229-23-4 [8]	
Dialuminium nickel tetraoxide; [1]	028-057-00-7	234-454-8	12004-35-2 [1]	
Nickel titanium trioxide; [2]		234-825-4 [2]	12035-39-1 [2]	
Nickel titanium oxide; [3]		235-752-0 [3]	12653-76-8 [3]	
Nickel divanadium hexaoxide; [4]		257-970-5 [4]	52502-12-2 [4]	
Cobalt dimolybdenum nickel octaoxide; [5]	ı	268-169-5 [5]	68016-03-5 [5]	
Nickel zirkonium trioxide; [6]		274-755-1 [6]	70692-93-2 [6]	
Molybdenum nickel tetraoxide; [7]		238-034-5 [7]	14177-55-0 [7]	
Nickel tungsten tetraoxide; [8]		238-032-4 [8]	14177-51-6 [8]	
Olivine, nickel green; [9]		271-112-7 [9]	68515-84-4 [9]	
Lithium nickel dioxide; [10]		- [10]	12031-65-1 [10]	
Molybdenum nickel oxide; [11]		-[11]	12673-58-4 [11]	

Cobalt lithium nickel oxide	028-058-00-2	442-750-5		
Hydrocarbons C ₄ , 1,3-butadiene-and isobutene-free; Petroleum gas	,649-118-00- X	306-004-1	95465-89-7	K

The following entries 028-003-00-2; 028-004-00-8; 028-005-00-3; 028-006-00-9; 028-007-00-4; 033-005-00-1; 603-046-00-5 are replaced by: (b)

Nickel monoxide; [1]	028-003-00-2	215-215-7 [1]	1313-99-1 [1]	
Nickel oxide; [2]		234-323-5 [2]	11099-02-8 [2]	
Bunsenite; [3]		-[3]	34492-97-2 [3]	
Nickel dioxide	028-004-00-8	234-823-3	12035-36-8	
Dinickel trioxide	028-005-00-3	215-217-8	1314-06-3	
Nickel (II) sulfide; [1]	028-006-00-9	240-841-2 [1]	16812-54-7 [1]	
Nickel sulfide; [2]		234-349-7 [2]	11113-75-0 [2]	
Millerite; [3]		-[3]	1314-04-1 [3]	
Trinickel disulfide;	028-007-00-4			
Nickel subsulfide; [1]		234-829-6 [1]	12035-72-2 [1]	
Heazlewoodite [2]	: ;	- [2]	12035-71-1 [2]	
Arsenic acid and its salts with the exception of those specified	033-005-00-1	_		A

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elsewhere in this Annex				
Bis(chloromet Oxybis(chloro	h 50}e4046 ;00-5 methane)	208-832-8	542-88-1	

- (4) In Appendix 2 the Table is amended as follows:
 - The following entries are deleted: 024-004-01-4; 649-118-00-X; (a)
 - The following entries are inserted in accordance with the order of the entries (b) set out in Appendix 2 of Annex XVII of Regulation (EC) No 1907/2006:

O-isobutyl- N-ethoxy carbonylthioca	006-094-00- X arbamate	434-350-4	103122-66-3	
O-hexyl-N- ethoxycarbony	006-102-00-1 olthiocarbamate	432-750-3	_	
Diethyl(2- (hydroxymeth	015-196-00-3 ylcarbamoyl)et ylcarbamoyl)et	hyl)phosphona		
Methyl ethyl(2- (hydroxymeth	ylcarbamoyl)et	hyl)phosphona	te	
Cobalt acetate	027-006-00-6	200-755-8	71-48-7	
Cobalt nitrate	027-009-00-2	233-402-1	10141-05-6	
Cobalt carbonate	027-010-00-8	208-169-4	513-79-1	
Lead chromate	082-004-00-2	231-846-0	7758-97-6	
Lead sulfochromate yellow; C.I. Pigment Yellow 34; [This substance is identified in the Colour Index by Colour Index Constitution Number, C.I. 77603.]	082-009-00- X	215-693-7	1344-37-2	

T 1	000 010 00 5	225 752 2	10656 05 0	
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.]	082-010-00-5	<i>23</i> 3- <i>1</i> 39-9	12656-85-8	
2,3- Epoxypropyltr chloride %; Glycidyl trimethylamm chloride%	603-211-00-1 imethylammon		3033-77-0	В
1-(2- amino-5- chlorophenyl)- trifluoro-1,1- ethanediol, hydrochloride [containing < 0,1 % 4- chloroaniline (EC No 203-401-0	,	433-580-2	214353-17-0	
Phenolphthale	i 6 04-076-00-1	201-004-7	77-09-8	
Ethyl 1-(2,4-dichloropheny (trichlorometh triazole-3-carboxylate		401-290-5	103112-35-2	
N,N'- diacetylbenzid	612-044-00-3 line	210-338-2	613-35-4	
Biphenyl-3,3', tetrayltetraami Diaminobenzi		202-110-6	91-95-2	
(2- chloroethyl) (3-	612-246-00-1	429-740-6	40722-80-3	

hydroxypropy chloride	l)ammonium			
3-Amino-9- ethyl carbazole; 9- Ethylcarbazol- ylamine	612-280-00-7	205-057-7	132-32-1	
Quinoline	613-281-00-5	202-051-6	91-22-5	
N-[6,9-dihydro-9- [[2-hydroxy-1-(hydroxymethoxo-1H-purin-2-yl]acetamide	616-148-00- X yl)ethoxy]meth	424-550-1 yl]-6-	84245-12-5	
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).]	648-085-00-9	283-484-8	84650-04-4	J, M

Extract residues (coal), low temp. coal tar 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.]	648-110-00-3	310-191-5	122384-78-5	J, M
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.]	648-116-00-6	266-019-3	65996-85-2	J, M

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Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 109/2012. (See end of Document for details)

(c) The following entries 024-004-00-7; 609-007-00-9; 612-099-00-3; 612-151-00-5; 648-043-00-X; 648-080-00-1; 648-098-00-X; 648-099-00-5; 648-100-00-9; 648-102-00-X; 648-138-00-6; 650-017-00-8 are replaced by:

Sodium dichromate	024-004-00-7	234-190-3	10588-01-9	
2,4- Dinitrotoluene	609-007-00-9	204-450-0 [1]	121-14-2 [1]	
Dinitrotoluene [2]	,	246-836-1 [2]	25321-14-6 [2]	
4-Methyl-m- phenylenedian 2,4- Toluenediamir		202-453-1	95-80-7	
Methyl-phenylene diamine; Diaminotoluer [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))			
Creosote oil, acenaphthene fraction, acenaphthene free; Wash Oil Redistillate; [The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from	648-043-00- X	292-606-9	90640-85-0	M

coal tar. Composed primarily of naphthalene and alkylnaphthale	enes.]			
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.		295-506-3	92061-93-3	M
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,		292-605-3	90640-84-9	M

naphthalene and alkyl naphthalene.]				
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).]	648-099-00-5	263-047-8	61789-28-4	M
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	648-100-00-9	274-565-9	70321-79-8	M

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).]				
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 diphenylnapht		310-189-4	122384-77-4	M
Creosote oil, low-boiling distillate; Wash Oil; [The low- boiling	648-138-00-6	274-566-4	70321-80-1	M

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).]			
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	650-017-00-8		A, R

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alkali earth oxide (Na ₂ O		
+K ₂ O+CaO+		
MgO+BaO)		
content less		
or equal to		
18 % by		
weight]		

- (5) In Appendix 4, the table is amended as follows:
 - (a) The following entry is deleted: 024-004-01-4;
 - (b) The following entries are inserted in accordance with the order of the entries set out in Appendix 4 of Annex XVII of Regulation (EC) No 1907/2006:

O-isobutyl- N-ethoxy carbonylthioca	006-094-00- X arbamate	434-350-4	103122-66-3	
O-hexyl-N- ethoxycarbony	006-102-00-1 althiocarbamate	432-750-3		
Mixture of: dimethyl(2-	015-196-00-3		_	
(nyaroxymeth Diethyl(2-	ylcarbamoyl)et	ny1)pnospnona	te;	
•	ylcarbamoyl)et	hyl)phosphona	te;	
	ylcarbamoyl)et	hyl)phosphona	te	
2-Chloro-6- fluoro- phenol	604-082-00-4	433-890-8	2040-90-6	
(2- chloroethyl) (3- hydroxypropy chloride	612-246-00-1 l)ammonium	429-740-6	40722-80-3	
Colchicine	614-005-00-6	200-598-5	64-86-8	
N-[6,9-dihydro-9- [[2-hydroxy-1-(hydroxymethoxo-1H-	616-148-00-X yl)ethoxy]meth	424-550-1 yl]-6-	84245-12-5	
purin-2- yl]acetamide				
Tar oils, brown-coal; Light Oil;	648-002-00-6	302-674-4	94114-40-6	J

[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.]				
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 C4 to C6 aliphatic hydrocarbons.	648-003-00-1	266-023-5	65996-88-5	J
Distillates (coal tar), benzole fraction, BTX-rich; Light Oil Redistillate, low boiling; [A residue from the distillation of crude benzole	648-004-00-7	309-984-9	101896-26-8	J

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).]				
Aromatic hydrocarbons, C ₆₋₁₀ , C ₈ - rich; Light Oil Redistillate, low boiling	648-005-00-2	292-697-5	90989-41-6	J
Solvent naphtha (coal), light; Light Oil Redistillate, low boiling	648-006-00-8	287-498-5	85536-17-0	J
Solvent naphtha (coal), xylene- styrene cut; Light Oil Redistillate, intermediate boiling	648-007-00-3	287-502-5	85536-20-5	J
Solvent naphtha (coal), coumarone- styrene contg.; Light Oil Redistillate, intermediate boiling	648-008-00-9	287-500-4	85536-19-2	J
Naphtha (coal), distn. residues;	648-009-00-4	292-636-2	90641-12-6	J

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.]				
Aromatic hydrocarbons, C ₈ ; Light Oil Redistillate, high boiling	648-010-00- X	292-694-9	90989-38-1	J
Aromatic hydrocarbons, C ₈₋₉ , hydrocarbon resin polymn. byproduct; 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		295-281-1	91995-20-9	J

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).] Aromatic		205 551 0	92062-36-7	J
hydrocarbons, C ₉₋₁₂ , benzene distn.; Light Oil Redistillate, high boiling		293-331-9	92002-30-7	J
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	648-014-00-1	295-323-9	91995-61-8	J

of benzene, toluene and xylenes.]				
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).] Extract	648-016-00-2		93821-38-6	J
residues (coal), benzole fraction acid; Light Oil Extract Residues, low boiling;	2.13 0.23 00 2	23,232		

[An acid sludge by-product of the sulfuric acid refining of crude high temperature coal. Composed primarily of sulfuric acid and organic compounds.]				
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.		292-625-2	90641-02-4	J
Extract residues (coal), light oil alk., acid	648-018-00-3	309-867-2	101316-62-5	J

ext., indene fraction; Light Oil Extract Residues, intermediate boiling				
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 trimethylbenze	enes.]		90641-03-5	J
Solvent naphtha (coal); [The distillate from either high temperature coal tar,	648-020-00-4	266-013-0	65996-79-4	J

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.]; Light Oil Extract				
Extract Residues, high boiling				
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	648-021-00- X	309-971-8	101794-90-5	J

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.]				
Distillates (coal tar), light oils, acid exts.; Light Oil Extract Residues, high boiling; [This oil is a complex mixture 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).]	648-022-00-5	292-609-5	90640-87-2	J
Distillates (coal tar), light oils; Carbolic Oil; [A complex combination of hydrocarbons	648-023-00-0	283-483-2	84650-03-3	J

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).]				
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, alkylnaphthale phenolic compounds, and aromatic nitrogen bases.]	648-024-00-6	266-016-7	65996-82-9	J
Extract residues (coal), light oil alk., acid ext.; Carbolic Oil Extract Residue;	648-026-00-7	292-624-7	90641-01-3	J

[The oil resulting from the acid washing of alkaliwashed carbolic oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and alkylbenzenes	.]			
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.]	648-027-00-2	266-021-4	65996-87-4	J
Extract oils (coal), light oil; Acid Extract; [The aqueous extract produced by an acidic	648-028-00-8	292-622-6	90640-99-6	J

wash of alkali- washed carbolic oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]				
Pyridine, alkyl derivs.; Crude Tar Bases; [The complex combination of polyalkylated pyridines derived from coal tar distillation or as highboiling distillates approximately above 150 °C (302 °F) from the reaction of ammonia with acetaldehyde, formaldehyde or paraformaldeh		269-929-9	68391-11-7	J
Tar bases, coal, picoline fraction; Distillate Bases; [Pyridine bases boiling in the	648-030-00-9	295-548-2	92062-33-4	J

range of approximately 125 °C to 160 °C (257 °F to 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.]				
Tar bases, coal, lutidine fraction; Distillate Bases	648-031-00-4	293-766-2	91082-52-9	J
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,	648-032-00- X	273-077-3	68937-63-3	J

lutidines, xylidines.]				
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.]	648-033-00-5	295-543-5	92062-28-7	J
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)	648-034-00-0	295-541-4	92062-27-6	J

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.]				
Tar bases, coal, toluidine fraction; Distillate Bases	648-035-00-6	293-767-8	91082-53-0	J
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	648-036-00-1	295-292-1	91995-31-2	J

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).]				
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	J
Extract oils (coal), coal tar-residual pyrolysis	648-038-00-2	295-329-1	91995-66-3	J

oils, naphthalene oil, redistillate; Redistillate; Redistillates; [The redistillate from the fractional distillation of dephenolated and debased methylnaphtha 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.				
Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils; Redistillates; [A neutral oil obtained by debasing and dephenolating the oil obtained from the	648-039-00-8	310-170-0	122070-79-5	J

distillation of high temperature tar and pyrolysis residual oils which has a boiling range of 225 °C to 255 °C (437 °F to 491 °F). Composed primarily of substituted dinuclear aromatic hydrocarbons.			
Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues; Redistillates; [Residue from the distillation of dephenolated and debased methylnaphtha 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.	310-171-6	122070-80-8	J

		Υ	Υ	
Distillates	648-084-00-3	285-076-5	85029-51-2	J, M
(coal),				
coke-oven				
light oil,				
naphthalene				
cut;				
Naphthalene				
Oil;				
[The				
complex				
combination				
of				
hydrocarbons				
obtained				
from				
prefractionation	n			
(continuous				
distillation)				
of coke oven				
light oil.				
It consists predominantly				
of				
naphthalene,				
coumarone				
and indene				
and hoils				
and boils above 148 °C				
above 148 °C				
above 148 °C (298 °F).]	(40,005,00,0	292 494 9	04/50 04 4	LM
above 148 °C (298 °F).] Distillates	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar),	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils;	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil;	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the distillation	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] Distillates (coal tar), naphthalene oils; Naphthalene Oil; [A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic	648-085-00-9	283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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		283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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,		283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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		283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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		283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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		283-484-8	84650-04-4	J, M
above 148 °C (298 °F).] 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		283-484-8	84650-04-4	J, M

compounds and distills in the approximate range of 200 °C to 250 °C (392 °F to 482 °F).]				
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.]	648-086-00-4	284-898-1	84989-09-3	J, M
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	648-087-00- X	295-310-8	91995-49-2	J, M

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 alkylnaphthale				
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.]	648-088-00-5	310-166-9	121620-47-1	J, M
Extract residues (coal), naphthalene oil, alk., naphthalene- low; Naphthalene Oil Extract Residue;	648-089-00-0	310-167-4	121620-48-2	J, M

[A complex combination of hydrocarbons remaining after the removal of naphthalene from alkaliwashed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]				
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.]	648-090-00-6	292-612-1	90640-90-7	J, M
Extract residues (coal), naphthalene oil alk., distn. overheads;	648-091-00-1	292-627-3	90641-04-6	J, M

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.]				
Distillates (coal tar), naphthalene oils, methylnaphtha fraction; Methylnaphtha fraction; Methylnaphtha 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	alene	309-985-4	101896-27-9	J, M

(437 °F to				
491 °F).] Distillates	648-093-00-2	309-972-3	101794-91-6	J, M
(coal tar), naphthalene				
oils, indole-	1			
methylnaphtha fraction;				
Methylnaphtha Oil;	alene			
[A distillate from the				
fractional				
distillation of high				
temperature coal tar.				
Composed				
primarily of indole and				
methylnaphtha boiling in	lene			
the range of				
approximately 235 °C				
to 255 °C (455 °F to				
491 °F).]				
Distillates (coal tar),	648-094-00-8	295-309-2	91995-48-1	J, M
naphthalene oils, acid				
exts.;				
Methylnaphtha Oil Extract	alene			
Residue; [A complex				
combination				
of hydrocarbons				
obtained by debasing the				
methylnaphtha fraction	lene			
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)-methylnaphtha naphthalene, dimethylnapht and biphenyl.]				
Extract residues (coal), naphthalene oil alk., distn. residues; Methylnaphtha Oil Extract Residue; [The residue from the distillation of alkaliwashed naphthalene oil having an approximate distillation range of 220 °C to 300 °C (428 °F to 572 °F). Composed primarily of naphthalene, alkylnaphthale and aromatic nitrogen bases.]	enes		90641-05-7	J, M
Extract oils (coal), acidic, tar- base free; Methylnaphthoil Extract Residue; [The extract oil boiling in the range of approximately		284-901-6	84989-12-8	J, M

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 alkylnaphthale	_			
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	648-097-00-4	310-165-3	121620-46-0	J, M

up to 70 °C (158 °F). It is composed primarily of naphthalene and alkyl naphthalenes.]				
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.]	648-103-00-5	292-603-2	90640-81-6	J, M
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	648-104-00-0	292-604-8	90640-82-7	J, M

and four membered aromatic compounds.]				
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.		295-505-8	92061-92-2	J, M
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	648-106-00-1	295-275-9	91995-15-2	J, M

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.				
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. Anthracene	648-108-00-2	295-278-5	91995-17-4	J, M
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.]				
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	648-109-00-8	309-889-2	101316-87-4	J, M

approximately 160 °C to 340 °C (320 °F to 644 °F).]				
Extract residues (coal), low temp. coal tar 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.]	648-110-00-3	310-191-5	122384-78-5	J, M
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 (1 292 °F)) destructive	648-111-00-9	284-881-9	84988-93-2	J, M

distillation of coal. It consists predominantly of a mixture of monohydric and dihydric phenols.]				
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.]	648-112-00-4	292-610-0	90640-88-3	J, M
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.]	648-113-00- X	266-017-2	65996-83-0	J, M

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.]	648-114-00-5	292-611-6	90640-89-4	J, M
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 ₂ CO ₃ and other organic and inorganic impurities.]	648-115-00-0	292-629-4	90641-06-8	J, M
Tar acids, coal, crude;	648-116-00-6	266-019-3	65996-85-2	J, M

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.] Tar acids, brown-coal, crude; Crude Phenols; [An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]	648-117-00-1	309-888-7	101316-86-3	J, M
Tar acids, brown-coal gasification; Crude Phenols; [A complex combination of organic compounds obtained from brown coal	648-118-00-7	295-536-7	92062-22-1	J, M

gasification. Composed primarily of C ₆₋₁₀ hydroxy aromatic phenols and their homologs.]				
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).]	648-119-00-2	306-251-5	96690-55-0	J, M
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.]	648-120-00-8	284-892-9	84989-04-8	J, M

Tar acids, polyalkylphen 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).	648-121-00-3 ol	284-893-4	84989-05-9	J, M
Composed				
primarily of				
polyalkylphen	ols.]			
	_	204 905 5	24020 06 0	I M
Tar acids, xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 2,4- and 2,5- dimethylphenorecovered by distillation of low-temperature coal tar crude tar acids.]			84989-06-0 84989-03-7	J, M
Tar acids, ethylphenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3- and 4- ethylphenol, recovered by distillation	648-123-00-4	284-891-3	84989-03-7	J, M

of low- temperature coal tar crude tar acids.]				
Tar acids, 3,5-xylenol fraction; Distillate Phenols; [The fraction of tar acids, rich in 3,5-dimethylphenorecovered by distillation of low-temperature coal tar acids.]	648-124-00- X	284-896-0	84989-07-1	J, M
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.]	648-125-00-5	270-713-1	68477-23-6	J, M
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	648-126-00-0	271-418-0	68555-24-8	J, M

solid with a melting point approximately 80 °C (176 °F). Composed primarily of polyalkylphen resin gums, and inorganic salts.]				
Phenols, C ₉₋₁₁ ; Distillate Phenols	648-127-00-6	293-435-2	91079-47-9	J, M
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.]		295-540-9	92062-26-5	J, M
Tar acids, brown- coal, C ₂ - alkylphenol fraction; Distillate Phenols; [The distillate from the acidification of alkaline washed	648-129-00-7	302-662-9	94114-29-1	J, M

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.]				
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.]	648-130-00-2	292-623-1	90641-00-2	J, M
Tar bases, quinoline derivs.; Distillate Bases	648-131-00-8	271-020-7	68513-87-1	J, M
Tar bases, coal, quinoline	648-132-00-3	274-560-1	70321-67-4	J, M

derivs. fraction; Distillate Bases				
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.]	648-133-00-9	295-544-0	92062-29-8	J, M
Hydrocarbon oils, arom., mixed with polyethylene and polypropylene pyrolyzed, light oil fraction; Heat Treatment Products; [The oil obtained from the heat treatment	648-134-00-4	309-745-9	100801-63-6	J, M

of a polyethylene/polypropylene mixture 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).]				
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).]		309-748-5	100801-65-8	J, M
Hydrocarbon oils, arom., mixed with polystyrene,	648-136-00-5	309-749-0	100801-66-9	J, M

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).]				
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	648-137-00-0	277-567-8	73665-18-6	J, M

hydrocarbons and aromatic nitrogen bases.]				
Tar acids, cresylic, sodium salts, caustic solns.; Alkaline Extract	648-139-00-1	272-361-4	68815-21-4	J, M
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.]	648-140-00-7		65996-86-3	J, M
Tar bases, coal, crude; Crude Tar Bases; [The reaction product obtained by neutralizing coal tar	648-141-00-2	266-018-8	65996-84-1	J, M

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, quinoline and their alkyl derivatives.]	2 ,			
Light oil (coal), cokeoven; Crude benzole; [The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700 °C (1 292 °F)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain other minor hydrocarbon constituents.]	648-147-00-5	266-012-5	65996-78-3	J
Distillates (coal), liq.	648-148-00-0	302-688-0	94114-52-0	J

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 .]				
Distillates (coal), solvent extn., hydrocracked; [Distillate obtained by hydrocracking of coal extract or solution produced by	648-149-00-6	302-689-6	94114-53-1	J

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 oxygencontaining aromatic and hydrogenated aromatic compounds are also				
present.]				
Naphtha (coal), solvent extn., hydrocracked; [Fraction of the distillate obtained by hydrocracking of coal extract or solution	648-150-00-1	302-690-1	94114-54-2	J

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 oxygencontaining aromatic and hydrogenated aromatic compounds are also				
present.]				_
Distillates (coal), solvent extn., hydrocracked middle; [Distillate obtained from the hydrocracking of coal extract or	648-152-00-2	302-692-2	94114-56-4	J

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.]				
	640.472.00.0	202 (02 0	04444.55.5	-
Distillates (coal),	648-153-00-8	302-693-8	94114-57-5	J
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 C9 through C14.]				
Light oil (coal), semi-coking process; Fresh oil; [The volatile organic liquid condensed from the gas evolved in the low-temperature (less than	648-156-00-4	292-635-7	90641-11-5	J

700 °C (1 292 °F)) destructive distillation of coal. Composed primarily of C ₆₋₁₀ hydrocarbons.]			
Hydrocarbons C ₄ , 1,3-butadiene-and isobutene-free; Petroleum gas	,649-118-00- X	306-004-1	95465-89-7	K
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 C4 through C8 and boiling in the range of approximately minus 20 °C		232-349-1	8006-61-9	P

to 120 °C (-4 °F to 248 °F).]				
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	P
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	649-263-00-9	232-453-7	8032-32-4	P

(58 °F to 275 °F).]				
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	P
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	649-265-00- X	265-042-6	64741-42-0	P

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).]				
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).]		265-046-8	64741-46-4	P
Solvent naphtha (petroleum), light aliph.;	649-267-00-0	265-192-2	64742-89-8	P

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).]				
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	649-268-00-6	270-077-5	68410-05-9	P

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).]				
Gasoline, vapour-recovery; Low boiling point naphtha; [A complex combination of hydrocarbons separated from the gases from vapour 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).]		271-025-4	68514-15-8	P
Gasoline, straight-run, topping- plant;	649-270-00-7	271-727-0	68606-11-1	P

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).]			
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 C5 through C12 and boiling in the range of approximately 0 °C to	272-186-3	68783-12-0	P

230 °C (25 °F to 446 °F).]				
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 .]	649-272-00-8	272-931-2	68921-08-4	P
Naphtha (petroleum), heavy straight run, aromcontg.; Low boiling point naphtha; [A complex combination of hydrocarbons obtained from a distillation process of crude petroleum.	649-273-00-3	309-945-6	101631-20-3	P

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).]				
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	649-274-00-9	265-066-7	64741-64-6	P

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).]			
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	265-067-2	64741-65-7	P

boiling in the range of approximately 150 °C to 220 °C (302 °F to 428 °F).]			
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	265-068-8	64741-66-8	P

(194 °F to 320 °F).]				
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-dimethylbutan 2-methylpentane and 3-	e,	265-073-5	64741-70-4	P
Maphtha Maphtha	649-278-00-0	265-086-6	64741-84-0	P
(petroleum), solvent-refined light; Low boiling point modified naphtha; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction	0 17-270-00-0	203-000-0	01/11-01-0	

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).]			
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	265-095-5	64741-92-0	P

the range of approximately 90 °C to 230 °C (194 °F to 446 °F).]				
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 .]		270-349-3	68425-35-4	P
(petroleum), reformer, Lurgi unit-sepd.; Low boiling point modified naphtha; [The complex	∪ + 7-201-UU-/	210-347-3	00423-33-4	

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 .]				
Naphtha (petroleum), full-range alkylate, butane-contg.; Low boiling point modified naphtha; [A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers	649-282-00-2	271-267-0	68527-27-5	P

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).]				
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-	649-283-00-8	295-315-5	91995-53-8	P

cracked naphtha.]				
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	P
hydrocarbons hydrotreated light naphtha distillates, solvent- refined; Low boiling point modified naphtha;	, 049-283-00-9	Z93-430-3	92043-33-1	r

[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).]			
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	295-440-5	92045-58-4	P

60 °C to 66 °C (140 °F to 151 °F).]				
Hydrocarbons C ₆₋₇ , naphthacracking, solventrefined; 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 racked 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	ed	295-446-8	92045-64-2	P
approximately 70 °C to				

100 °C (158 °F to 212 °F).]				
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	P
Naphtha (petroleum), heavy catalytic cracked; Low boiling point cat- cracked naphtha; [A complex combination of hydrocarbons produced by a distillation	649-289-00-0	265-055-7	64741-54-4	P

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.				
Naphtha (petroleum), light catalytic cracked; Low boiling point catcracked naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having	649-290-00-6	265-056-2	64741-55-5	P

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.				
Hydrocarbons C ₃₋₁₁ , catalytic cracker distillates; Low boiling point catcracked 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	,649-291-00-1	270-686-6	68476-46-0	P

approximately up to 204 °C (400 °F).]				
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]	649-292-00-7	272-185-8	68783-09-5	P
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	649-293-00-2	295-311-3	91995-50-5	P

distillate from steam- cracked naphtha. It consists predominantly of aromatic hydrocarbons]				
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	649-294-00-8	295-431-6	92045-50-6	P
60 °C to 200 °C				

(140 °F to 392 °F).]				
Naphtha (petroleum), light catalytic cracked sweetened; Low boiling point catcracked 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	P
Hydrocarbons C_{8-12} , catalytic-cracking, chem. neutralized; Low boiling point catcracked naphtha; [A complex combination	,649-296-00-9	295-794-0	92128-94-4	P

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).]				
Hydrocarbons C_{8-12} ,	,649-297-00-4	309-974-4	101794-97-2	P
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	1			

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).]				
Hydrocarbons C ₈₋₁₂ , catalytic cracking, chem. neutralized, sweetened; Low boiling point catcracked naphtha	,649-298-00- X	309-987-5	101896-28-0	P
Naphtha (petroleum), light catalytic reformed; Low boiling point catreformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons	649-299-00-5	265-065-1	64741-63-5	P

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.]				
Naphtha (petroleum), heavy catalytic reformed; Low boiling point catreformed naphtha; [A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic	649-300-00-9	265-070-9	64741-68-0	P

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).]			
Distillates (petroleum), catalytic reformed depentanizer; Low boiling point catreformed 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	270-660-4	68475-79-6	P

to 63 °C (- 57 °F to 145 °F).]				
Hydrocarbons C_{2-6} , C_{6-8} catalytic reformer; Low boiling point catreformed naphtha;	,649-302-00- X	270-687-1	68476-47-1	P
Residues (petroleum), C ₆₋₈ catalytic reformer; Low boiling point catreformed 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 .]	649-303-00-5	270-794-3	68478-15-9	P
Naphtha (petroleum), light catalytic reformed, aromfree; Low boiling point cat- reformed naphtha; [A complex combination of hydrocarbons obtained from distillation	649-304-00-0	270-993-5	68513-03-1	P

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.]				
Distillates (petroleum), catalytic reformed straight-run naphtha overheads; Low boiling point catreformed naphtha; [A complex combination of hydrocarbons obtained by the catalytic	649-305-00-6	271-008-1	68513-63-3	P

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 .]				
Petroleum products, hydrofiner-powerformer reformates; Low boiling point catreformed 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).]	649-306-00-1	271-058-4	68514-79-4	P
Naphtha (petroleum), full-range reformed; Low boiling point catreformed naphtha;	649-307-00-7	272-895-8	68919-37-9	P

[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).]				
Naphtha (petroleum), catalytic reformed; Low boiling point catreformed naphtha; [A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having	649-308-00-2	273-271-8	68955-35-1	P

carbon numbers predominantly in the range of C4 through C12 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.]			
Distillates (petroleum), catalytic reformed hydrotreated light, C ₈₋₁₂ arom. fraction; Low boiling point catreformed naphtha; [A complex combination of alkylbenzenes obtained by the catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes	285-509-8	85116-58-1	P

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).]				
Aromatic hydrocarbons, C ₈ , catalytic reforming-derived; Low boiling point catreformed naphtha	649-310-00-3	295-279-0	91995-18-5	P
Aromatic hydrocarbons, C ₇₋₁₂ , C ₈ -rich; Low boiling point catreformed 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		297-401-8	93571-75-6	P

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).]			
Gasoline, C_{5-11} , highoctane stabilized reformed; Low boiling point catreformed naphtha; [A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and nonaromatics having carbon numbers predominantly in the range of C_5 through C_{11} and boiling in the range of approximately	297-458-9	93572-29-3	P

45 °C to 185 °C (113 °F to 365 °F).]				
Hydrocarbons C ₇₋₁₂ , C _{>9} -aromrich, reforming heavy fraction; Low boiling point catreformed 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.		297-465-7	93572-35-1	P
Hydrocarbons C ₅₋₁₁ , nonaroms	,649-314-00-5	297-466-2	93572-36-2	P

		1	1	
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.]				
	(40.216.00.6	265.075.6	64741.74.0	D.
Naphtha	649-316-00-6	265-075-6	64741-74-8	P
(petroleum),				
light thermal				
cracked;				
Low boiling				
point				
thermally				
cracked				
naphtha;				
[A complex combination				
of				
UI				

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).]				
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	649-317-00-1	265-085-0	64741-83-9	P

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).]				
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	649-318-00-7	267-563-4	67891-79-6	P

number predominantly of C ₅ . This stream may contain benzene.]				
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	649-319-00-2	267-565-5	67891-80-9	P
number predominantly of C ₅ . This stream may contain benzene.]				
Distillates (petroleum), naphtharaffinate	649-320-00-8	270-344-6	68425-29-6	P

pyrolyzate-derived, gasoline-blending; Low boiling point thermally cracked naphtha; [The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816 °C (1 500 °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).]				
Aromatic hydrocarbons, C ₆₋₈ , naphtharaffinate pyrolyzatederived; Low boiling point thermally cracked naphtha; [A complex combination of hydrocarbons obtained by the fractionation	649-321-00-3	270-658-3	68475-70-7	P

pyrolysis at 816 °C (1 500 °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.]			
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	271-631-9	68603-00-9	P

60 °C (91 °F to 140 °F).]				
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).]		271-634-5	68603-01-0	P
(petroleum), thermal cracked naphtha and gas oil, extractive; Low boiling point	X	211-03 1- 3	00003-03-2	

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).] Distillates	649-325-00-5	273-266-0	68955-29-3	P
(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	OT7-323-00-3	213-200-0	00/33-27-3	

cracking process. It consists predominantly of aromatic hydrocarbons, primarily benzene.]				
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).]		295-447-3	92045-65-3	P
Naphtha (petroleum),	649-327-00-6	265-150-3	64742-48-9	P

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).]				
Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with	649-328-00-1	265-151-9	64742-49-0	P

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).]				
Naphtha (petroleum), hydrodesulfur light; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfur 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	ization	265-178-6	64742-73-0	P

to 190 °C (-4 °F to 374 °F).]				
Naphtha (petroleum), hydrodesulfur heavy; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfur 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).]	zation		64742-82-1	P
Distillates (petroleum), hydrotreated middle, intermediate boiling; Low boiling point hydrogen treated naphtha; [A complex combination of	649-331-00-8	270-092-7	68410-96-8	P

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).]				
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	649-332-00-3	270-093-2	68410-97-9	P

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).]			
Distillates (petroleum), hydrotreated heavy naphtha, deisohexanize 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	270-094-8	68410-98-0	P

approximately – 49 °C to 68 °C (– 57 °F to 155 °F).]				
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).]		270-988-8	68512-78-7	P
Naphtha (petroleum), hydrodesulfur thermal cracked light;	649-335-00- X ized	285-511-9	85116-60-5	P

Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained by fractionation of hydrodesulfur 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).]				
Naphtha (petroleum), hydrotreated light, cycloalkane-contg.; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from the distillation of	649-336-00-5	285-512-4	85116-61-6	P

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).]				
Naphtha (petroleum), heavy steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha	649-337-00-0	295-432-1	92045-51-7	P
Naphtha (petroleum), hydrodesulfur full-range; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained from a catalytic hydrodesulfur process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of	ization	295-433-7	92045-52-8	P

C ₄ through C ₁₁ and boiling in the range of approximately 30 °C to 250 °C (86 °F to 482 °F).]			
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 C5 through C11 and boiling in the range of approximately 35 °C to 190 °C	295-438-4	92045-57-3	P

(95 °F to				
374 °F).]				
		295-443-1	92045-61-9	P
(86 °F to 446 °F).]				
Solvent naphtha (petroleum), hydrotreated	649-341-00-2	295-529-9	92062-15-2	P

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).]	2			
Naphtha (petroleum), light steam-cracked, hydrogenated; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons	649-342-00-8	296-942-7	93165-55-0	P

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.]		

Hydrocarbons 649-343-00-3 297-852-0 93763-33-8 P Part	TT1				
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.] Hydrocarbons (649-344-00-9 (297-853-6 (29-12)), 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 hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrotreatment in order to convert aromatics to naphthenes hydrotreatment in order hydrot	Hydrocarbons	649-343-00-3	297-852-0	93763-33-8	P
hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to 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	-				
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.] Hydrocarbons C9-12, hydrotreated, dearomatized; Low boiling point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to 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					
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.] Hydrocarbons 649-344-00-9 297-853-6 93763-34-9 P C9-12, 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 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					
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have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.] Hydrocarbons, 649-344-00-9 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					
subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.] Hydrocarbons, 649-344-00-9 297-853-6 93763-34-9 P C9-12, 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					
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naphthenes by catalytic hydrogenation.] Hydrocarbons, 649-344-00-9 297-853-6 93763-34-9 P 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					
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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	.]			
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	Hydrocarbons	,649-344-00-9	297-853-6	93763-34-9	P
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	C_{9-12} ,				
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	hydrotreated,				
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	dearomatized;				
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	T 1 '1'				
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	Low boiling				
naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic					
[A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen				
combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen				
of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen treated naphtha;				
hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen treated naphtha; [A complex				
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as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen treated naphtha; [A complex combination of				
which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic	point hydrogen treated naphtha; [A complex combination of hydrocarbons				
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to convert aromatics to naphthenes by catalytic	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to				
aromatics to naphthenes by catalytic	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen	t			
naphthenes by catalytic	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen in order	t			
by catalytic	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen in order to convert	t			
	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen in order to convert aromatics to	t			
nyarogonarion.]	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen in order to convert aromatics to naphthenes	t			
	point hydrogen treated naphtha; [A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatmen in order to convert aromatics to naphthenes by catalytic				

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).]	649-345-00-4	232-489-3	8052-41-3	P
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	649-346-00-X	265-047-3	64741-47-5	P

and pressure.]				
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 .]	649-347-00-5	265-048-9	64741-48-6	P
Naphtha (petroleum), light hydrocracked; Low boiling naphtha - unspecified; [A complex combination of hydrocarbons from distillation of the products from a hydrocracking process.		265-071-4	64741-69-1	P

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).]			
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	265-079-8	64741-78-2	P

65 °C to 230 °C (148 °F to 446 °F).]				
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 C4 through C12 and boiling in the range of approximately – 10 °C to 230 °C (14 °F to 446 °F).]			64741-87-3	P
Naphtha (petroleum), acid-treated; Low boiling point naphtha - unspecified; [A complex combination	649-351-00-7	265-115-2	64742-15-0	P

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).]				
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	649-352-00-2	265-122-0	64742-22-9	P

C ₆ through C ₁₂ and boiling in the range of approximately 65 °C to 230 °C (149 °F to 446 °F).]				
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).]		265-123-6	64742-23-0	P
Naphtha (petroleum), catalytic dewaxed; Low boiling point	649-354-00-3	265-170-2	64742-66-1	P

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).]				
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	649-355-00-9	265-187-5	64742-83-2	P

of				
unsaturated				
hydrocarbons				
having carbon				
numbers				
predominantly				
in the				
range of C ₄ through				
C_1 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.]				
Solvent	649-356-00-4	265-199-0	64742-95-6	P
naphtha	017 350 00 1	203 177 0	01712 75 0	1
(petroleum),				
(petroleum), light arom.;				
(petroleum),				
(petroleum), light arom.; Low boiling				
(petroleum), light arom.; Low boiling point				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams.				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly				
(petroleum), light arom.; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic				
(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				
(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				
(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				
(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				
(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				
(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				
(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				

C ₁₀ and boiling in the range of approximately 135 °C to 210 °C (275 °F to 410 °F).]				
Aromatic hydrocarbons, C ₆₋₁₀ , acid-treated, neutralized; Low boiling point naphtha - unspecified	649-357-00- X	268-618-5	68131-49-7	P
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	649-358-00-5	270-725-7	68477-34-9	P

in the range of C ₃ through C ₅ , predominantly 2-methyl-2-butene.]				
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	649-359-00-0	270-735-1	68477-50-9	P
hydrocarbons having carbon numbers predominantly in the range of C ₅ through C ₁₂ .]				
Distillates (petroleum), steam-cracked, C ₅₋₁₂ fraction; Low boiling point	649-360-00-6	270-736-7	68477-53-2	P

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 .]				
Distillates (petroleum), steam-cracked, C_{5-10} fraction, mixed with light steam-cracked petroleum naphtha C_5 fraction; Low boiling point naphtha - unspecified	649-361-00-1	270-738-8	68477-55-4	P
Extracts (petroleum), cold-acid, C ₄₋₆ ; Low boiling point naphtha - unspecified; [A complex combination of organic compounds	649-362-00-7	270-741-4	68477-61-2	P

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 .]				
Distillates (petroleum), depentanizer 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	649-363-00-2	270-771-8	68477-89-4	P

numbers predominantly in the range of C ₄ through C ₆ .]				
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 .]	649-364-00-8	270-791-7	68478-12-6	P
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	649-365-00-3	270-795-9	68478-16-0	P

numbers predominantly in the range of C ₄ through C ₆ .]				
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 °I		270-991-4	68513-02-0	P
Naphtha (petroleum), steam-cracked middle arom.; Low boiling point	649-367-00-4	271-138-9	68516-20-1	P

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).]				
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	649-368-00- X	271-262-3	68527-21-9	P

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).]				
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	649-369-00-5	271-263-9	68527-22-0	P

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).]				
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	649-370-00-0	271-264-4	68527-23-1	P

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).]			
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 C4 through C12 and boiling in the range of approximately 80 °C to	271-266-5	68527-26-4	P

218 °C (176 °F to 424 °F).]				
Naphtha (petroleum), aromcontg.; Low boiling point naphtha - unspecified	649-372-00-1	271-635-0	68603-08-7	P
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	P
Naphtha (petroleum), light, sweetened; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum	649-374-00-2	272-206-0	68783-66-4	P

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).]				
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,	649-375-00-8	272-896-3	68919-39-1	J

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 .]				
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 .]			85116 50 2	P
Naphtha (petroleum), catalytic	649-377-00-9	285-510-3	85116-59-2	P

reformed light, aromfree 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).]				
Gasoline; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons consisting primarily of	649-378-00-4	289-220-8	86290-81-5	P

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).]				
Aromatic hydrocarbons, C ₇₋₈ , dealkylation products, distn. residues; Low boiling point naphtha - unspecified	649-379-00- X	292-698-0	90989-42-7	P
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 hydrotreatmen of the aromatic charges.	,649-380-00-5	295-298-4	91995-38-9	P

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).]				
Distillates (petroleum), heat-soaked steam-cracked naphtha, C5-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 C4 through C6,	649-381-00-0	295-302-4	91995-41-4	P

predominantly C ₅ .]	}			
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).]		295-331-2	91995-68-5	P
Naphtha (petroleum), hydrodesulfur light, dearomatized;	ized	<i>2)</i> J- 1 J 1 -2	92045-53-9	

Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation of hydrodesulfur 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).]				
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.	649-384-00-7	295-442-6	92045-60-8	P

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).]			
Hydrocarbons C ₈₋₁₁ , naphtha-cracking, toluene cut; Low boiling point naphtha - unspecified; [A complex combination of hydrocarbons obtained by distillation from prehydrogenat 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	295-444-7	92045-62-0	P

130 °C to 205 °C (266 °F to 401 °F).]			
Hydrocarbons C ₄₋₁₁ , naphthacracking, aromfree; Low boiling point naphthaunspecified; [A complex combination of hydrocarbons obtained from prehydrogenate cracked naphtha after distillative separation of benzeneand toluenecontaining 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	295-445-2	92045-63-1	P
boiling in the range of approximately 30 °C to 205 °C (86 °F to 401 °F).]			

	640 2 6 - 22 -	206.020.0	00001 07 0	
Naphtha	649-387-00-3	296-028-8	92201-97-3	P
(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).]				
Distillates	649-388-00-9	296-903-4	93165-19-6	P
(petroleum),	017 300-00-7	270 703- 4	75105 17-0	_
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).]				
Gasoline, pyrolysis, hydrogenated; Low boiling point naphthaunspecified; [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).]		302-639-3	94114-03-1	P
Distillates (petroleum), steam-cracked, C_{8-12} fraction,	649-390-00- X	305-750-5	95009-23-7	P

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 steamcracked petroleum distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C ₈ through C ₁₂ .]				
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	649-391-00-5	308-261-5	97926-43-7	P

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).]	209 712 1	09210 46 6	D
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	308-713-1	98219-46-6	P

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).]			
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 C5 through C6 and boiling in the range of approximately 35 °C to 80 °C (95 °F to 176 °F).]	308-714-7	98219-47-7	P

Distillates (petroleum), C ₇₋₉ , C ₈ -rich, hydrodesulfur	649-394-00-1	309-862-5	101316-56-7	P
dearomatized;				
Low boiling point				
naphtha -				
unspecified; [A complex				
combination				
of hydrocarbons				
obtained				
by the				
distillation				
of petroleum light fraction,				
hydrodesulfur	ized			
and				
dearomatized. It consists				
predominantly	1			
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).]				
-	,649-395-00-7	309-870-9	101316-66-9	P
C ₆₋₈ , hydrogenated				
sorption-				
dearomatized,				
toluene raffination;				
Low boiling				
point				

nanhtha	I	I		I
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	ř			
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).]				
Naphtha (petroleum), hydrodesulfur full-range coker; Low boiling	649-396-00-2 ised	309-879-8	101316-76-1	P
point naphtha - unspecified; [A complex				
combination of hydrocarbons				
obtained by				

fractionation from hydrodesulfur 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).]				
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	649-397-00-8	309-976-5	101795-01-1	P

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).]				
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 .]		310-012-0	102110-14-5	P
Hydrocarbons C ₅ -rich, dicyclopentad contg.; Low boiling point naphtha - unspecified;	,649-399-00-9 iene-	310-013-6	102110-15-6	P

[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 dicyclopentadiand boiling in the range of approximately 30 °C to 170 °C	ene			
(86 °F to				
338 °F).]				
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	649-400-00-2	310-057-6	102110-55-4	P

Status: Point in time view as at 09/02/2012.

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 109/2012. (See end of Document for details)

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).]				
	,649-401-00-8	270-690-8	68476-50-6	P
Hydrocarbons C ₅ -rich; Low boiling point naphtha - unspecified	,649-402-00-3	270-695-5	68476-55-1	P
Aromatic hydrocarbons, C ₈₋₁₀ ; Low boiling point naphtha - unspecified	649-403-00-9	292-695-4	90989-39-2	P

(c) The following entries 024-004-00-7; 649-089-00-3; 649-119-00-5; 649-151-00-X are replaced by:

Sodium	024-004-00-7	234-190-3	10588-01-9
dichromate			

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).]		271-038-5	68514-36-3	K
Raffinates (petroleum), steam-cracked C ₄ fraction cuprous ammonium acetate extn., C ₃₋₅ and C ₃₋₅ unsatd., butadienefree; Petroleum gas	649-119-00-5	307-769-4	97722-19-5	K

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	T		T .	1
Petroleum	649-151-00-	271-750-6	68607-11-4	K
products,	X			
	1			
refinery				
gases;				
Refinery gas;				
[A complex				
combination				
which				
consists				
primarily of				
hydrogen				
with various				
small				
amounts of				
methane,				
ethane, and				
propane.]				
h.oh				

In Appendix 5, the table is amended as follows: (6)

> The following entries are inserted in accordance with the order of the entries set out in Appendix 5 of Annex XVII of Regulation (EC) No 1907/2006:

Slimes and sludges, copper electrolyte refining, decopperised	028-015-00-8	305-433-1	94551-87-8	
Silicic acid, lead nickel salt	028-050-00-9	_	68130-19-8	

- (7) In Appendix 6, the table is amended as follows:
 - The following entry is deleted: 024-004-01-4; (a)
 - (b) The following entries are inserted in accordance with the order of the entries set out in Appendix 6 of Annex XVII of Regulation (EC) No 1907/2006:

Dibutyltin hydrogen borate	005-006-00-7	401-040-5	75113-37-0	
Boric acid; [1]	005-007-00-2	233-139-2 [1]	10043-35-3 [1]	
Boric acid, crude natural, containing not more than 85 % of H ₃ BO ₃ calculated		234-343-4 [2]	11113-50-1 [2]	

on the dry weight; [2]				
Diboron trioxide; Boric oxide	005-008-00-8	215-125-8	1303-86-2	
Disodium tetraborate, anhydrous;	005-011-00-4			
Boric acid, disodium salt; [1]		215-540-4 [1]	1330-43-4 [1]	
Tetraboron disodium heptaoxide, hydrate; [2]		235-541-3 [2]	12267-73-1 [2]	
Orthoboric acid, sodium salt; [3]		237-560-2 [3]	13840-56-7 [3]	
Disodium tetraborate decahydrate; Borax decahydrate	005-011-01-1	215-540-4	1303-96-4	
Disodium tetraborate pentahydrate; Borax pentahydrate	005-011-02-9	215-540-4	12179-04-3	
Sodium perborate; [1]	005-017-00-7	239-172-9 [1]	15120-21-5 [1]	
Sodium peroxometabo [2]	rate;	231-556-4 [2]	7632-04-4 [2]	
Sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
Sodium perborate; [1]	005-017-01-4	239-172-9 [1]	15120-21-5 [1]	

Sodium peroxometabo [2]	rate;	231-556-4 [2]	7632-04-4 [2]	
Sodium peroxoborate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt trihydrate; [1]	005-018-00-2	239-172-9	13517-20-9 [1]	
Perboric acid, sodium salt, tetrahydrate; [2]		234-390-0 [2]	37244-98-7 [2]	
Perboric acid (HBO(O ₂)), sodium salt, tetrahydrate; [3]		231-556-4 [3]	10486-00-7 [3]	
Sodium peroxoborate hexahydrate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt, trihydrate; [1]	005-018-01- X	239-172-9	13517-20-9 [1]	
Perboric acid,		234-390-0 [2]	37244-98-7 [2]	

sodium salt, tetrahydrate; [2]				
Perboric acid (HBO(O ₂)), sodium salt, tetrahydrate; [3]		231-556-4	10486-00-7	
Sodium peroxoborate hexahydrate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
Perboric acid, sodium salt; [1]	005-019-00-8	234-390-0 [1]	11138-47-9 [1]	
Perboric acid, sodium salt, monohydrate; [2]		234-390-0 [2]	12040-72-1 [2]	
Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt, monohydrate; [3]		231-556-4 [3]	10332-33-9 [3]	
Sodium peroxoborate; [containing < 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
Perboric acid, sodium salt; [1]	005-019-01-5	234-390-0 [1]	11138-47-9 [1]	

Perboric acid, sodium salt, monohydrate;		234-390-0 [2]	12040-72-1 [2]	
Perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt, monohydrate; [3]		231-556-4 [3]	10332-33-9 [3]	
Sodium peroxoborate; [containing ≥ 0,1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]				
(4- ethoxyphenyl) (3-(4- fluoro-3- phenoxypheny	014-036-00- X	405-020-7 hylsilane	105024-66-6	
Tris(2- chloroethyl)ph	015-102-00-0 osphate	204-118-5	115-96-8	
Glufosinate ammonium (ISO); Ammonium 2-amino-4- (hydroxymeth	015-155-00- X ylphosphinyl)b	278-636-5 utyrate	77182-82-2	
Cobalt dichloride	027-004-00-5	231-589-4	7646-79-9	
Cobalt sulfate	027-005-00-0	233-334-2	10124-43-3	
Cobalt acetate	027-006-00-6	200-755-8	71-48-7	
Cobalt nitrate	027-009-00-2	233-402-1	10141-05-6	
Cobalt carbonate	027-010-00-8	208-169-4	513-79-1	

Nickel dihydroxide; [1]	028-008-00- X	235-008-5	12054-48-7	
Nickel hydroxide; [2]		234-348-1 [2]	11113-74-9 [2]	
Nickel sulfate	028-009-00-5	232-104-9	7786-81-4	
Nickel carbonate;	028-010-00-0			
Basic nickel carbonate;				
Carbonic acid, nickel (2+) salt; [1]		222-068-2 [1]	3333-67-3 [1]	
Carbonic acid, nickel salt; [2]		240-408-8 [2]	16337-84-1 [2]	
[μ- [carbonato(2-) O:O ']]dihydroxy trinickel; [3]	_	265-748-4 [3]	65405-96-1 [3]	
[carbonato(2-) [4]]tetrahydroxytr	i ars kolj 5-9 [4]	12607-70-4 [4]	
Nickel dichloride	028-011-00-6	231-743-0	7718-54-9	
Nickel dinitrate; [1]	028-012-00-1	236-068-5 [1]	13138-45-9 [1]	
Nitric acid, nickel salt; [2]		238-076-4 [2]	14216-75-2 [2]	
Slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate	028-014-00-2	295-859-3	92129-57-2	
Nickel diperchlorate; Perchloric acid, nickel (II) salt	028-016-00-3	237-124-1	13637-71-3	

Nickel dipotassium bis(sulfate); [1] Diammonium nickel bis(sulfate); [2]	028-017-00-9	[1] 239-793-2 [2]	13842-46-1 [1] 15699-18-0 [2]	
Nickel bis(sulfamidat Nickel sulfamate	028-018-00-4 e);	237-396-1	13770-89-3	
Nickel bis(tetrafluoro	028-019-00- b&rate)	238-753-4	14708-14-6	
Nickel diformate; [1]	028-021-00-0	222-101-0 [1]	3349-06-2 [1]	
Formic acid, nickel salt; [2]		239-946-6 [2]	15843-02-4 [2]	
Formic acid, copper nickel salt; [3]		268-755-0 [3]	68134-59-8 [3]	
Nickel di(acetate); [1]	028-022-00-6	206-761-7 [1]	373-02-4 [1]	
Nickel acetate; [2]		239-086-1 [2]	14998-37-9 [2]	
Nickel dibenzoate	028-024-00-7	209-046-8	553-71-9	
Nickel bis(4-cyclohexylbut	028-025-00-2 yrate)	223-463-2	3906-55-6	
Nickel (II) stearate; Nickel (II) octadecanoate	028-026-00-8	218-744-1	2223-95-2	
Nickel dilactate	028-027-00-3		16039-61-5	
Nickel (II) octanoate	028-028-00-9	225-656-7	4995-91-9	
Nickel difluoride; [1]	028-029-00-4	233-071-3 [1]	10028-18-9	

Nickel dibromide; [2]		236-665-0 [2]	13462-88-9 [2]	
Nickel diiodide; [3]		236-666-6 [3]	13462-90-3 [3]	
Nickel potassium fluoride; [4]		- [4]	11132-10-8 [4]	
Nickel hexafluorosili	028-030-00- and the	247-430-7	26043-11-8	
Nickel selenate	028-031-00-5	239-125-2	15060-62-5	
Nickel dithiocyanate	028-046-00-7	237-205-1	13689-92-4	
Nickel dichromate	028-047-00-2	239-646-5	15586-38-6	
Nickel dichlorate; [1]	028-053-00-5	267-897-0 [1]	67952-43-6 [1]	
Nickel dibromate; [2]		238-596-1 [2]	14550-87-9 [2]	
Ethyl hydrogen sulfate, nickel (II) salt; [3]		275-897-7 [3]	71720-48-4	
Nickel (II) trifluoroacetat [1]	028-054-00-0 e;	240-235-8 [1]	16083-14-0 [1]	
Nickel (II) propionate; [2]		222-102-6 [2]	3349-08-4 [2]	
Nickel bis(benzenesu [3]	lfonate);	254-642-3 [3]	39819-65-3 [3]	
Nickel (II) hydrogen citrate; [4]		242-533-3 [4]	18721-51-2 [4]	
Citric acid, ammonium nickel salt; [5]		242-161-1 [5]	18283-82-4 [5]	

Citric acid, nickel salt; [6]		245-119-0 [6]	22605-92-1 [6]
Nickel bis(2- ethylhexanoate [7]	e);	224-699-9 [7]	4454-16-4 [7]
2- Ethylhexanoic acid, nickel salt; [8]		231-480-1 [8]	7580-31-6 [8]
Dimethylhexa acid nickel salt; [9]	noic	301-323-2 [9]	93983-68-7 [9]
Nickel (II) isooctanoate; [10]		249-555-2 [10]	29317-63-3 [10]
Nickel isooctanoate; [11]		248-585-3 [11]	27637-46-3 [11]
Nickel bis(isononano [12]	ate);	284-349-6 [12]	84852-37-9 [12]
Nickel (II) neononanoate [13]		300-094-6 [13]	93920-10-6 [13]
Nickel (II) isodecanoate; [14]		287-468-1 [14]	85508-43-6 [14]
Nickel (II) neodecanoate; [15]		287-469-7 [15]	85508-44-7 [15]
Neodecanoic acid, nickel salt; [16]		257-447-1 [16]	51818-56-5 [16]
Nickel (II) neoundecanoa [17]	te;	300-093-0 [17]	93920-09-3 [17]
Bis(d- gluconato- O ¹ ,O ²)nickel; [18]		276-205-6 [18]	71957-07-8 [18]
Nickel 3,5- bis(tert- butyl)-4-		258-051-1 [19]	52625-25-9 [19]

hydroxybenzoate (1:2); [19]		
Nickel (II) palmitate; [20]	237-138-8 [20]	13654-40-5 [20]
(2- ethylhexanoato- O) (isononanoato- O)nickel; [21]	287-470-2 [21]	85508-45-8 [21]
(isononanoato-O) (isooctanoato-O)nickel; [22]	287-471-8 [22]	85508-46-9 [22]
(isooctanoato-O) (neodecanoato-O)nickel; [23]	284-347-5 [23]	84852-35-7 [23]
(2- ethylhexanoato- O) (isodecanoato- O)nickel; [24]	284-351-7 [24]	84852-39-1 [24]
(2- ethylhexanoato- O) (neodecanoato- O)nickel; [25]	285-698-7 [25]	85135-77-9 [25]
(isodecanoato-O) (isooctanoato-O)nickel; [26]	285-909-2 [26]	85166-19-4 [26]
(isodecanoato-O) (isononanoato-O)nickel; [27]	284-348-0 [27]	84852-36-8 [27]
(isononanoato- O) (neodecanoato- O)nickel; [28]	287-592-6 [28]	85551-28-6 [28]

	1		1	1
Fatty acids, C ₆₋₁₉ - branched, nickel salts; [29]		294-302-1 [29]	91697-41-5 [29]	
Fatty acids, C ₈₋₁₈ and C ₁₈ -unsaturated, nickel salts; [30]		283-972-0 [30]	84776-45-4 [30]	
2,7- Naphthalenedi acid, nickel(II) salt; [31]	sulfonic	- [31]	72319-19-8 [31]	
Dibutyltin dichloride; (DBTC)	050-022-00- X	211-670-0	683-18-1	
Mercury	080-001-00-0	231-106-7	7439-97-6	
2-(2- aminoethylam (AEEA)	603-194-00-0 ino)ethanol	203-867-5	111-41-1	
1,2- Diethoxyethar	603-208-00-5 e	211-076-1	629-14-1	
(E)-3- [1-[4-[2- (dimethylamir phenylbut-1- enyl]phenol	604-073-00-5 o)ethoxy]phen		82413-20-5	
N-methyl-2- pyrrolidone; 1-Methyl-2- pyrrolidone	606-021-00-7	212-828-1	872-50-4	
2-Butyryl-3- hydroxy-5- thiocyclohexaryl- cyclohex-2- en-1-one	606-100-00-6 n-3-	425-150-8	94723-86-1	
Cyclic 3-(1,2- ethanediylacet estra-5(10),9(1 diene-3,17- dione		427-230-8	5571-36-8	

1,2- Benzenedicarb acid; Di-C ₆₋₈ - branched alkylesters, C7-rich	607-483-00-2 poxylic	276-158-1	71888-89-6	
Diisobutyl phthalate	607-623-00-2	201-553-2	84-69-5	
Perfluorooctar sulfonic acid;	16 07-624-00-8			
Heptadecafluc sulfonic acid; [1]	rooctane-1-	217-179-8 [1]	1763-23-1 [1]	
Potassium perfluorooctar	esulfonate;			
Potassium heptadecafluo sulfonate; [2]	rooctane-1-	220-527-1 [2]	2795-39-3 [2]	
Diethanolamin perfluorooctar sulfonate; [3]	-	274-460-8 [3]	70225-14-8 [3]	
Ammonium perfluorooctar sulfonate;	ne			
Ammonium heptadecafluo [4]	rooctanesulfona	249-415-0 (eţ]	29081-56-9 [4]	
Lithium perfluorooctar sulfonate;	ne			
Lithium heptadecafluo [5]	rooctanesulfona	249-644-6 n(c ;]	29457-72-5 [5]	
Chloro-N,N-dimethylformichloride	612-250-00-3 minium	425-970-6	3724-43-4	
7- Methoxy-6- (3- morpholin-4- yl- propoxy)-3H- quinazolin-4- one;	612-253-01-7	429-400-7	199327-61-2	

[containing ≥ 0,5 % formamide (EC No 200-842-0)]			
1-[4-[4- [[(2SR,4RS)-2 (2,4- dichloropheny (imidazol-1- ylmethyl)-1,3- dioxolan-4-	1)-2-		65277-42-1	
Potassium 1-methyl-3- morpholinocat [3-(1- methyl-3- morpholinocat oxo-2- pyrazolin-4- ylidene)-1- propenyl]pyra olate; [containing ≥ 0,5 % N,N- dimethylforma (EC No 200-679-5	rbonyl-5- zole-5- amide	418-260-2	183196-57-8	
N-[6,9-dihydro-9- [[2-hydroxy-1-(hydroxymeth oxo-1H-purin-2-yl]acetamide	616-148-00- X yl)ethoxy]meth	424-550-1 yl]-6-	84245-12-5	
N,N- (dimethylamir hydrochloride	616-180-00-4 to)thioacetamid		27366-72-9	

The following entries 024-004-00-7; 609-023-00-6 are replaced by: (c)

Sodium dichromate	024-004-00-7	234-190-3	10588-01-9	
Dinocap (ISO);	609-023-00-6	254-408-0	39300-45-3	

Status: Point in time view as at 09/02/2012.

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 109/2012. (See end of Document for details)

(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		

(8) The following Appendix 11 is inserted:

'Appendi£ntries 28 to 30 — Derogations for specific substancesOJ L 104, 8.4.2004, 11 p. 1.'SubstancesDerogations1.

- (a) Sodium perborate; perboric acid, sodium salt; perboric acid, sodium salt, monohydrate; sodium peroxometaborate; perboric acid (HBO(O₂)), sodium salt, monohydrate; sodium peroxoborate CAS No 15120-21-5; 11138-47-9; 12040-72-1; 7632-04-4; 10332-33-9
 EC No 239-172-9; 234-390-0; 231-556-4
- (b) Perboric acid (H₃BO₂(O₂)), monosodium salt trihydrate; perboric acid, sodium salt, tetrahydrate; perboric acid (HBO(O₂)), sodium salt, tetrahydrate; sodium peroxoborate hexahydrate CAS No 13517-20-9; 37244-98-7; 10486-00-7 EC No 239-172-9; 234-390-0; 231-556-4

Detergents as defined by Regulation (EC) No 648/2004 of the European Parliament and of the Council. The derogation shall apply until 1 June 2013.

Status:

Point in time view as at 09/02/2012.

Changes to legislation:

There are currently no known outstanding effects for the Commission Regulation (EU) No 109/2012.