



Ref. T5/5.01

MEPC.2/Circ.9
17 December 2003

PROVISIONAL CATEGORIZATION OF LIQUID SUBSTANCES

1 Introduction

1.1 This circular is issued in accordance with regulation 3(4) of Annex II to MARPOL 73/78 and sub-paragraph 2A.1.8 of its unified interpretation, replacing all previously issued circulars under this title.

2 Lists of annexes

2.1 Annexes 1 to 4 provide lists of noxious liquid substances (NLS) with associated categories and minimum carriage requirements which have been established through Tripartite Agreements and registered with the Secretariat in accordance with the regulation and unified interpretation referred to above. Annexes 5 to 11 are intended to facilitate the reporting of Tripartite Agreements and the interpretation of abbreviations used in annexes 1 to 4.

- annex 1:** List 1: Pure or technically pure substances;
- annex 2:** List 2: Pollutant only mixtures classified by calculation or assessed as a mixture;
- annex 3:** List 3: Trade-named substances with safety hazards;
- annex 4:** List 4: Pollutant only mixtures with >3% unassessed components;
- annex 5:** Country abbreviations (Part 1: Code/Country; Part 2: Country/Code);
- annex 6:** Oil-like substances;
- annex 7:** Substances not shipped in pure form but as components in mixtures;
- annex 8:** Tripartite contact addresses;
- annex 9:** Manufacturers authorized to conduct pollutant-only assessments by calculation;
- annex 10:** Lube-oil additives;
- annex 11:** Hydrocarbon families; and
- annex 12:** Cleaning additives

3 Observations related to the annexes

3.1 Language

3.1.1 As seen in the lists, most products are trade-named substances under N.O.S. entries. Since tradenames are not translated, the products are entered as notified and the lists are issued in English only.

3.2 Country Codes (Annex 5)

3.2.1 While the list of country abbreviations is based for the most part on the telex abbreviation for each country, certain countries, for example, Liberia, Panama and the United States, are listed differently as LI, PA and US. Since the lists have been issued previously using these abbreviations, it is considered advisable to keep those same abbreviations. These codes are listed in annex 5: Part 1 of that annex showing Code/Country and Part 2 showing Country/Code.

3.3 Shading

3.3.1 Amendments to the Tripartite Lists (annexes 1 to 4) are identified by shading the field in which the change has been made.

3.4 Cleaning additives (Annex 12)

3.4.1 The Marine Environment Protection Committee, at its thirty-third session, adopted amendments to the Standards for Procedures and Arrangements for the Discharge of Noxious Liquid Substances which included restriction on the types of detergents used in tank washing as follows:

1.8.2 When small amounts of detergents are added to water in order to facilitate tank washing, no detergents containing pollution category A components should be used except those components that are readily biodegradable and present in a total concentration of less than 10%. No restrictions additional to those applicable to the tank due to the previous cargo should apply.

3.4.2 These amendments were implemented as of 1 July 1996, and so chemical tankers will, therefore, only be able to use those detergent products (additives to water for purposes of cleaning) evaluated and approved by the Organization.

3.4.3 The first list of cleaning additives, which were evaluated by the BLG Working Group on the Evaluation of Safety and Pollution Hazards of Chemicals (ESPH) and found to meet the requirements of paragraph 1.8.2 of the P & A Standards, was attached to MEPC/Circ.305. Subsequent evaluations of other cleaning additives have been issued under MEPC/Circ.305/Add.1, 2 and 3.

3.3.4 Those cleaning additives evaluated by the ESPH Working Group have been consolidated into annex 12 of the MEPC.2/Circulars thus making MEPC/Circ.305 and its additions, redundant.

4 Notification of new entries

4.1 Guidelines for the provisional assessment of liquids transported in bulk are set out in MEPC/Circ.265 of 6 April 1993. When notifying the Secretariat of any provisional assessment made under Tripartite Agreement, Administrations are requested to:

- .1 specify whether in list 1, 2, 3 or 4; and
- .2 provide all relevant data to be included in the circular.

4.2 As the majority of products notified are classified by the calculation method and are candidates for list 2, it is particularly important to provide the information to IMO in a format that will facilitate efficient and accurate transfer to the database used to generate the various lists included in this circular.

4.3 For hard copies, the preferred method is to notify one product per page in the following format:

Reporting Country	:
Manufacturer	:
Tradename	:
List Number	:
Contains Name	:
Pollution Category	(Cat) :
Ship Type	(ST) :
N.O.S Number	:
Melting Point (°C)	(Mpt) :
Flash Point (°C)	(Fpt) :
Viscosity @ 20 °C(mPa.s)	(V ₂₀) :

Note: Incomplete data on a substance will result in the entry for its provisional assessment being delayed while the application is returned to the originator.

4.5 For products being notified as candidates for Lists 1, 3 or 4, the format shown in annex 7 to MEPC/Circ.265 is preferred.

4.6 While stressing the importance of correct data being supplied to the Secretariat, it should be noted in particular that, when proposing a product for lists 2 and 4, the component responsible for the greatest pollution potential, following the word “Contains” in the Shipping Name, should be identified. Such component is that with the highest value obtained from % x pollution factor. In the event of there being more than one component with equal highest scores, discretion may be used in deciding whether one or both should be identified (see MEPC/Circ.265). The name of the substance should be one of those appearing in chapters 17 or 18 of the IBC Code or those in lists 1 or 7 of this circular.

4.7 It should also be pointed out that it is essential that the proper technical name be used for the purposes of shipping documentation. When shipping a pollution hazard only mixture, the appropriate n.o.s. entry in the IBC Code, together with the tradename and substance contained, would form the proper shipping name. For example if the trade name is IMO 1234 and it contains

“Zinc alkyl dithiophosphate (C3-C14)” as the component with the greatest pollution potential, then the correct shipping name would be:

Noxious liquid, N.F., (15) n.o.s. (IMO 1234 contains Zinc alkyl dithiophosphate (C3-C14)), S.T. 3, Cat. C

4.8 The Master of a type 3 ship certified fit to carry n.o.s. 15 products would then know that he can accept the cargo without concern as to fire, toxicity and other safety hazards and that, in the event of an accidental spill, he could report the name of the substance responsible for the pollution to the coastal State authorities.

5 Tripartite contact addresses

5.1 In accordance with the MEPC resolution on Tripartite Agreements, resolution MEPC.109(49), Administrations are requested to note that contact points which have not informed the Organization of their latest contact details should be deemed to have accepted the Tripartite Agreements whilst other contact points should still follow the Unified Interpretations 2A.1.4 and 2A.1.6 of regulation 3(4) of Annex II to MARPOL 73/78.

5.2 It would, therefore, be appreciated if Administrations could verify that information included in annex 8 of this circular is correct and supply any useful additional information, for example, e-mail addresses. As the Secretariat has only been supplied with the addresses listed, those Administrations, which have not supplied any focal point address, are, therefore, requested to do so.

IMO Tripartite Agreement List 1 - Pure and technically pure substances
Potential entries to the IBC Code

Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Acetonitrile (Low purity grade)	J	K	12/04/03	17/12/06	D	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	-	E	15.12, 15.17, 15.19.6
Alcohol (C9-C11) poly (2.5-9) ethoxylate	G	All countries	21/04/95	None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6, 16.2.6
Alcohol (C12-C16) poly(1-6)ethoxylates		All countries		None	A	P	2	2G	Open	No			Yes	O	No	A		No	15.19.6
Alcohol (C12-C16) poly(20+)ethoxylates		All countries		None	C	P	3	2G	Open	No			Yes	O	No	A		No	
Alkenyl (C16-C20) succinic anhydride	US	All countries	06/07/98	None	D	S	3	2G	Cont	No			Yes	C	T	No		E	15.12, 15.17, 15.19
Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	D	All countries	28/09/98	None	A	S/P	1	2G	Cont	No	T1	IIA	Yes	C	T	ABC		No	15.12, 15.17, 15.19
Alkylated (C4-C9) hindered phenols	US	All countries	08/06/00	None	D	S	3	2G	Open	No	-	-	Yes	O	No	BD		No	15.19.6
Alkyl (C11-C17) benzene sulphonic acid	US	All Countries	27/08/87	None	B	S/P	3	2G	Open	No			Yes	O	No	A		No	16.2.7, 16.2.8
Alkylbenzene sulphonic acid, sodium salt solution	US	All countries		None	C	P	3	2G	Open	No			NF	O	No	No		No	16.2.7 to 16.2.9
Alkyl (C12+) dimethylamine	US	All countries	10/06/99	None	A	S/P	1	2G	Cont	No	-	-	Yes	C	T	BCD		E	15.12, 15.17, 15.19
Alkyl dithiocarbamate (C19-C35)	US	All countries	12/09/97	None	D		NA												
Alkyl ester copolymer (C4-C20)	US	All countries	21/04/95	None	D		NA												
Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	B	P	3	2G	Open	No			Yes	O	No	No		No	15.19.6, 16.2.6, 16.2.9
Alkyl (C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution(55% or less)	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl (C8-C40) phenol sulphide	US	All countries	23/09/96	None	D		NA												
Alkyl (C8-C9) phenylamine in aromatic solvents	US	All countries	21/04/95	None	A	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Alkyl (C9-C15) phenyl propoxylate	US	All countries	14/01/99	None	III		NA												
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl (C12-C14) polyglucoside solution (55% or less)	D	All countries	23/09/96	None	B	P	3	2G	Open	No			Yes	O	No	No		No	15.19.6, 16.2.6, 16.2.9
Alkyl (C8-C10) polyglucoside solution (65% or less).	D	All countries	23/09/96	None	C	P	3	2G	Open	No			Yes	O	No	No		No	16.2.7, 16.2.9
Alkyl(C10-C20, saturated and unsaturated) phosphite	US	All countries	21/04/95	None	C	P	3	2G	Open	No			Yes	O	No	A		No	
Alkyl sulphonic acid ester of phenol	D	All countries	07/11/90	None	III		NA												
2-Amino-2-methyl-1-propanol	US	All countries	26/12/96	None	D		NA												
tert-Amyl methyl ether	US	All countries	07/12/95	None	C	P	3	2G	Cont	No	T3		No	R	F	A		No	15.19.6
Barium long chain (C11-C50) alkaryl sulphonate	US	All countries	06/07/98	None	B	S/P	2	2G	Open	No			Yes	O	No	AD		No	15.12.3, 15.19, 16.2.6
N,N-bis(2-hydroxyethyl) oleamide	US	All countries	21/04/95	None	B	P	2	2G	Cont	No			No	R	F	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Butyl alcohol (all isomers)	G	All countries	06/03/96	None	III		NA												
Calcium long-chain alkyl(C5-C10) phenate	US	All countries	21/04/95	None	C	P	3	2G	Open	No			Yes	O	No	A		No	
Calcium long-chain alkyl(C11-C40) phenate	US	All countries	21/04/95	None	D		NA												
Calcium nitrate solutions (50% or less)	N	All countries	21/04/95	None	III		NA												
Chlorinated paraffins (C14-C17) (with 50% chlorine or more, and less than 1% C13 or shorter chains)		All countries		None	D		NA												
N-(3-Chloro-2-hydroxypropyl)trimethyl ammonium chloride solution (75% or less)	US	BR, LI, D, NL, N	26/05/00	17/12/04	III	S	3	2G	Open	No			NF	O	No	No	Y5	No	15.16.1
1-(4-Chlorophenyl)-4,4- dimethyl-pentan-3-one	D	All countries	23/09/96	None	B	P	3	2G	Open	No			Yes	O	No	ABD		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2
Copper salt of long chain (C17+) alkanolic acid	US	All countries	06/07/98	None	D		NA												
Crude Piperazine	US	BS, D, LI, NL, N, G, PA, RS	23/01/02	17/12/05	C	S/P	2	2G	Cont	No			NF	R	T	A	N2	No	15.9.6, 16.2.7, 16.2.9
Dialkyl (C8-C9) diphenylamines	US	All countries	23/09/96	None	D		NA												
2,6-Di-tert-butylphenol	US	All countries	23/07/97	None	A	P	1	2G	Open	No	-	-	Yes	O	No	ABCD		No	15.19
Diethylaminoethanol		All countries		None	C	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A,C	N1	No	15.19.6
Diethyl ether		All countries		None	D	S	2	1G	Cont	Inert	T4	IIB	No	C	F-T	A	N7	E	15.4, 15.14, 15.19
Diheptyl phthalate		All countries		None	D		NA												
Dihexyl phthalate		All countries		None	D		NA												
1,4-Dihydro-9,10-dihydroxyanthracene, disodium salt solution		All countries		None	D		NA												
Diisobutylene		All countries		None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Diisobutyl ketone		All countries		None	C	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Diisooctyl phthalate		All countries		None	D		NA												
Diisopropyl naphthalene		All countries		None	A	P	2	2G	Open	No			Yes	O	No	A		No	15.19.6
N,N-Dimethylacetamide	US	All countries	22/08/00	None	D	S	3	2G	Cont	No	-	-	Yes	C	T	ACD		No	15.12, 15.17
Dimethyl disulphide	F	B, N, RS, US, G, CP, EM, J, LI, PA	09/01/03	17/12/04	B	S/P	3	2G	Cont	No	T3	IIB	No	R	F-T	B		No	15.12.3, 15.12.4, 15.19.6
N,N-Dimethyldodecylamine	J	All Countries	06/07/98	None	A	S/P	1	2G	Open	No			Yes	O	No	B	N4	No	15.19
Dimethyl octanoic acid			11/11/19		C	P	3	2G	Open	No			Yes	O	No	A		No	16.2.8, 16.2.9
2,2-Dimethylpropane-1,3-diol (molten or solution)	US	All countries	16/07/97	None	D		NA												
Diocetyl phthalate		All countries		None	D		NA												
Dipentene		All countries		None	A	P	2	2G	Cont	No			No	R	F	A		No	15.19.6

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Methacrylic acid - alkoxypoly (alkylene oxide) methacrylate copolymer sodium salt aqueous solution (45% or less)	J	LI, NL, CP	06/06/02	17/12/05	D		NA												
Methacrylic acid-alkoxypoly (alkylene oxide) methacrylate copolymer, sodium salt aqueous solution (45% of less)	J	US, LI	06/10/03	17/12/06	D		NA												
Methacrylic resin in Ethylene dichloride		All countries		None	D	S	2	2G	Cont	No	T2	IIA	No	R	F-T	A,B	N4	No	15.19, 16.2.6
Methylal, technical	B	CY, PA, N, NL, LI	29/06/01	17/12/04	III		NA												
Methyl amyl ketone		All countries		None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Methylcyclopentadienyl manganese tricarbonyl	US	All countries		None	A	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABCD		E	15.12, 15.18, 15.19
2-Methyl Glutaronitrile	F	B, N, US, LI, NL, G	06/06/03	17/12/06	D	S	2	2G	Cont	No	T1	-	Yes	C	T	A, B		Yes	15.12, 15.17, 15.19
2-Methylglutaronitrile (Crude)	F	B, N, US, LI, G, NL	12/11/03	17/12/06	D	S	2	2G	Cont	No	T1	-	Yes	C	T	AB		Yes	15.12, 15.17, 15.19
2-Methyl-2-hydroxy-3-butyne		All countries		None	D	S	3	2G	Cont	No		IIA	No	R	F-T	A,B,D	N6		15.19.6
2-Methyl-1,3-propanediol	US	All countries	07/12/95	None	III		NA												
3-(methylthio)propionaldehyde	D+B	All countries	06/07/98	None	B	S/P	3	2G	Cont	No	T3	IIA	Yes	C	T	BC	Y5	E	15.12, 15.17, 15.19
Morpholine		All countries		None	C	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	N2,Z	No	15.19.6
Nitroethane	US	All countries	06/07/98	None	D	S	3	2G	Cont	No		IIB	No	R	F-T	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1, 16.6.2, 16.6.4
Nitroethane, 1-Nitropropane (each 15% or more) mixture	US	All countries	07/12/95	None	(D)	S	3	2G	Cont	No			No	R	F-T	A(u)	N4	No	15.16.1, 15.19.6, 16.6.1 to 16.6.3
Nonyl alcohol (all isomers)		All countries		None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6
Iso-nonylaldehyde	D	NL, US, N, LI	12/11/01	17/12/04	B	S/P	3	2G	Cont	No	T3	IIA	No	C	F-T	AC	Y4, Y5	E	15.19
Nonylphenol poly(4+)ethoxylate	NL	All countries	19/02/92	None	B	P	3	2G	Open	No			Yes	O	No	A		No	15.19.6, 16.2.6, 16.2.9, 16A.2.2(aa)
Octyl aldehydes		All countries		None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6, 16.2.9
Paraldehyde-ammonia reaction product	US	All countries	07/06/98	None	C	S/P	2	2G	Cont	No			No	C	F-T	A	N1	No	15.12.3, 15.19
n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	US	All countries	07/12/95	None	D	S	2	2G	Open	No	T2		Yes	C	No	A,D	Y1	No	15.11.2, to 15.11.4, 15.11.6 to 15.11.8, 15.12.3, 15.19
Phosphate esters, alkyl (C12-C14) amine	US	All countries	23/09/96	None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Piperazine, Amine solution	US	IN, MW, VQ, D, LI, NL, N, G, BS, PA, RS	19/05/99	17/12/04	C	S/P	2	2G	Cont	No			NF	R	T	A	N2	No	15.19.6, 16.2.7, 16.2.9
Polyalkyl (C10-C20) methacrylate	D	All countries	21/09/94	None	D		NA												
Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	D	All countries	28/09/98	None	D		NA												
Polycarboxylic acid solution	F	SF, N, NL	30/03/01	17/12/04	III		NA												
Polyetheramine	US	LI, NL, N, PA, RS	15/12/03	17/12/06	B	S/P	2	2G	Cont	No	-	-	Yes	C	No	ACD	N1	No/E	15.12.1, 15.16.1, 15.17, 15.19.6

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Product Name	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O
Polyisobutenamine in aliphatic (C10-C14) solvent	NL	All countries	06/07/98	None	C	P	3	2G	Open	No	T3	IIA	Yes	O	No	A		No	16.2.8
Polyisobutenyl anhydride adduct	US	All countries	23/09/96	None	III		NA												
Polyolefin amide alkeneamine (C17+)	US	All countries	03/03/94	None	D		NA												
Polyolefinamine (C28-C250)	US	All countries	06/09/94	None	C	P	3	2G	Open	No			Yes	O	No	A		No	
Polyolefin aminoester salts (mw 2000+)	US	All countries	06/07/98	None	D		NA												
Polyoxypropylene diamine	US	LI, NL, N, PA, RS	16/07/02	17/12/05	B	S/P	2	2G	Cont	No			Yes	C	No	ACD	N1	E	15.12.1, 15.16.1, 15.17, 15.19.6
Poly(tetramethylene ether) glycol (mw 600-3000)	US	All countries	04/02/97	None	B	P	3	2G	Open	No	-	-	Yes	O	No	ABCD		No	16.2.6, 16.2.8, 16.2.9, 16A.2.2
Potassium chloride solution (10% or more)		All countries		None	III		NA												
Potassium formate solutions	D	All countries	16/12/93	None	III		NA												
Potassium salt of polyolefin acid	G	All countries	07/02/95	None	III		NA												
Potassium thiosulphate (50% or less)	US	All countries	13/10/97	None	C	P	3	2G	Open	No			NF	O	No	No		No	
Propylene carbonate	US	All countries	06/07/98	None	III		NA												
Propylene glycol phenyl ether	US	All countries	31/07/92	None	D	P	NA												
Pyrolysis gasoline	G	All countries	13/10/97	None	B	S/P	3	2G	Cont	No	T3	IIA	No	C	F-T	A,B		No	15.12, 15.17, 15.19.6
Rape seed oil fatty acid methyl esters	D	All countries	03/03/00	None	D		NA												
Sodium borohydride (15% or less)/Sodium hydroxide solution		All countries		None	D	S	3	2G	Open	No			NF	O	No	No	N1	No	16.2.7
Sodium silicate solution		All countries		None	C	P	3	2G	Open	No			NF	O	No	No		No	
Sulphonated polyacrylate solution	US	All countries	17/04/89	None	D		NA												
Sulphurized fat (C14-C20)	US	All countries	23/09/96	None	D		NA												
Sulphurized polyolefinamide alkene (C28-C250) amine	US	All countries	23/09/96	None	D		NA												
Tetraethyl silicate monomer/oligomer (20% in ethanol)	B	All countries	31/08/99	None	III		NA												
Titanium dioxide slurry	US	All countries	23/09/96	None	III		NA												
1,2,3-Trichlorobenzene (molten)	US	All countries	06/07/98	None	A	S/P	1	2G	Cont	No			Yes	C	T	A, C, D		E	15.12.1, 15.17, 15.19, 16.2.9
Triethylphosphite		All countries		None	B	S/P	3	2G	Cont	No			No	R	F-T	A,B		No	15.12.1, 15.19.6
Urea/Ammonium mono- and di-hydrogen phosphate/Potassium chloride solution		All countries		None	D		NA												
Xylenes/ethylbenzene (10% or more) mixture	G	All countries	13/10/97	None	B	P	3	2G	Cont	No			No	R	F	A		No	15.19.6
Zinc alkenyl carboxamide	US	All countries	22/07/91	None	D	P	NA												

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s. Contains	Rep	Receive Date	Cat	ST	Remark	Company
	10	G	24/06/03	A	3		
Acropol 91	11 Nonyl alcohol	US	11/07/89	B	3		ExxonMobil
ADX1175A	11 Zinc alkyl dithiophosphate (C3-C14)	G	03/10/95	B	3	High viscosity	Bp
ADX1175B	11 Zinc alkyl dithiophosphate (C3-C14)	G	05/10/95	B	3	High viscosity	Bp
ADX1664B	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/06/99	C	3	High viscosity	Lubrizol
ADX1667	15 Zinc alkyl dithiophosphate (C3-C14)	G	05/10/95	C	3	High viscosity	Bp
AL 702	18 Alkyl(C9+)benzenes	US	03/01/95	III	NA		ChevronTexaco
AL 704	18 Alkyl(C9+)benzenes	US	03/01/95	III	NA		ChevronTexaco
AL 8379	11 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	B	3	High Viscosity	Lubrizol
Alcohol C11-9	11 Undecyl alcohol	US	21/06/00	B	3		Hiltveit
Alfol 610 ADE Alcohol	11 Decyl alcohol (all isomers)	US	11/12/03	B	3	High Viscosity	Condea Vista
Alfol 610 AFC Alcohol	11 Decyl alcohol (all isomers)	US	01/12/03	B	3	High Viscosity	Condea Vista
Alfol 610 Alcohol	11 Decyl alcohol	US	25/05/00	B	3		Condea Vista
Alfol 610 EBC Alcohol	11 Decyl alcohol (all isomers)	US	11/12/03	B	3	High Viscosity	Condea Vista
Alfol 81 EE Alcohol	11 Decyl alcohol (all isomers)	US	11/12/03	B	3		Condea Vista
Alfol 810 AI Alcohol	11 Decyl alcohol (all isomers)	US	20/11/03	B	3		Condea Vista
Alfol 810 Alcohol	11 Decyl alcohol	US	25/05/00	B	3		Condea Vista
Alfol 810 BH Alcohol	11 Decyl alcohol (all isomers)	US	11/12/03	B	3	High Viscosity	Condea Vista
Alfol 810 FD Alcohol	11 Decyl alcohol (all isomers)	US	11/12/03	B	3		Condea Vista
AP 1317	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/03/02	B	3	High Viscosity	Lubrizol
AP 1332	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/03/02	B	3	High Viscosity	Lubrizol
AP 1343	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/03/02	B	3	High Viscosity	Lubrizol
AP 1361	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/03/02	B	3	High Viscosity	Lubrizol
AP 1394	11 Zinc alkyl dithiophosphate (C3-C14)	US	20/06/02	B	3	High Viscosity	Lubrizol
AP 1694	11 Zinc alkyl dithiophosphate (C3-C14)	US	29/05/02	B	3	High Viscosity	Lubrizol
AP 9369	17 Mineral oil	US	29/05/02	D	NA		Lubrizol
ARCO GTBA/MTBE	17 Methyl tert-butyl ether	NL	27/10/97	D	NA		Arco
Arcol HS-40	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Arcol Polyol E-1717	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Arcol Polyol E-777	17 Polyether (molecular weight 2000+)	US	28/10/99	D	NA		Arco
Aromatic Stream C9-C10	7 Aromatics (C9+)	G		B	2		Shell
AS 304	17 Long chain alkaryl sulfonic acid (C16-C60)	US	26/03/90	D	NA		ChevronTexaco
AS 584	17 Long chain alkaryl sulfonic acid (C18-C60)	US		D	NA		ChevronTexaco
AS 584D	17 Long chain alkaryl sulfonic acid (C18-C60)	US		D	NA		ChevronTexaco

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AS-AN solution	17 Ammonium nitrate/Ammonium sulphate	B	24/04/98	D	NA		Dsm
ASD 20	16 Mineral oil	NL	02/01/89	C	3		Shell
ASD 40	16 Xylenes	NL	29/12/88	C	3		Shell
ASH H	18 Iso and n-alkanes (C10-C24)	SA	05/12/00	III	NA		Mossgas
ASH M	18 iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas
BAR 350	11 Zinc alkyl dithiophosphate (C3-C14)	US	26/02/03	B	3	High Viscosity	Lubrizol
BAR 360	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/02/03	B	3	High Viscosity	Lubrizol
BAR 470	15 Zinc alkyl dithiophosphate (C3-C14)	US	07/03/03	C	3	High Viscosity	Lubrizol
BAR 490	15 Zinc alkyl dithiophosphate (C3-C14)	US	20/06/02	C	3	High Viscosity	Lubrizol
BAR 900	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/07/02	B	3	High Viscosity	Lubrizol
BAR992	15 Zinc alkyl dithiophosphate (C3-C14)	US	13/10/03	C	3	High Viscosity	Lubrizol
BE 95 SE	16 Alkanes (C6-C9)	SF	21/11/97	C	3		Fortum
Biodiesel	17 Rapeseed oil methyl ester	B	20/12/94	D	NA		
BOC 6654	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
BPT 1168	15 Zinc alkyl dithiophosphate (C3-C14)	US	21/01/93	C	3		ChevronTexaco
BPT 3222	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	06/06/02	D	NA		LUBRIZOL
BPT 900	11 Zinc alkyl dithiophosphate (C3-C14)	US	13/08/87	B	3	High viscosity	ChevronTexaco
BPT 939	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
Brake Fluid 38	17 Brake fluid base mix	G	09/04/87	D	NA		Shell
Brake Fluid 401	17 Brake fluid base mix	NL	09/04/87	D	NA		Shell
Brake Fluid 450	17 Brake fluid base mix	G	29/07/94	D	NA		Shell
Brake Fluid Base 41	17 Brake fluid base mix	NL	13/04/92	D	NA		Shell
Brake fluid base 49	17 Brake fluid base mix	NL	26/01/99	D	NA		Shell
Brake Fluid DOT 4	17 Brake fluid base mix	G	09/04/87	D	NA		Shell
C-400	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		Witco
C-45M	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		Witco
C1012 Olefin/Paraffin	11 Dodecene	US	18/05/94	B	3		Albemarle
C113 SHF Paraffins	11 1-Undecene and Dodecene	UK	27/09/00	B	3		Shell
C5 Dienes Crude	7 Pentadiene and Cyclopentadiene	NL	19/07/88	B	2		Dow
C5 Hydrocarbons	13 Hydrocarbons (C5)	G		B	3		ICI
CA 209	17 Polyolefin amide alkeneamine (C17+)	US	21/01/93	D	NA		ChevronTexaco
CA 302	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
CA 7003	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	17/06/93	D	NA		ChevronTexaco
CA 907	15 Mineral oil	US	18/10/99	C	3	High Viscosity	Lubrizol

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CA 925	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	25/11/99	D	NA		Lubrizol
Caltex code 599092	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
Caltex code 599146	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
Caltex code 599150	17 Polyolefin amide alkeneamine (C17+)	US		D	NA		ChevronTexaco
Caltex code 599151	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		ChevronTexaco
Caltex code 599152	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex code 599155	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
Caltex code 599161	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex code 599162	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex code 599168	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		ChevronTexaco
Caltex code 599171	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex code 599174	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex code 599188	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
Caltex code 599192	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
Caltex code 599197	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
Caltex code 599201	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
Caltex Code 599359	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
CAN 17	17 Calcium Ammonium nitrate liquid	N	17/02/00	D	NA		Norsk Hydro
CAROMAX 18	10 Alkyl benzenes (C3-C4)	G	16/12/02	A	3		Carless
CAROMAX 20	9 Alkyl benzenes (C3-C4)	G	16/12/02	A	3		Carless
Caromax 26	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
Caromax 28	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
CAROMAX 29WG	1 Diphenyl	G	16/12/02	A	1		Carless
CAS 29/75	18 Alkyl (C9+) benzenes	G	02/11/99	III	NA		Carless
CASH M	18 Iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas
CF 2000	15 Alkanes (C6-C9)	B	17/08/01	C	3		ExxonMobil
CF 2100	17 iso- and cyclo- alkenes (C10-C11)	B	01/11/98	D	NA		Exxon
CFX 2000	18 Iso and cyclo-alkanes)	B	17/08/01	III	NA		ExxonMobil
CFX 2100	17 iso- and cyclo- alkenes (C10-C11)	B	01/11/98	D	NA		Exxon
CHEMADD 348L	17 Calcium long-chain alkaryl sulphonate (C11-C50)	US	26/08/99	D	NA	High viscosity	Lubrizol
CHEMADD 528K	17 Calcium long-chain phenate sulphide (C8-C40)	US	26/08/99	D	NA	High viscosity	Lubrizol
Clairsol 2000	18 n-Alkanes (C10+)	G	02/11/99	III	NA		Carless
CLAIRSOL 350M HF	18 n-Alkane C10+	G	16/12/02	III	NA		Carless
Clairsol 440	17 n-alkanes (C10+) and poly (2+) cyclic aromatics	G	02/11/99	D	NA		Carless

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CN 10	18 Calcium Nitrate solution	N	17/02/00	III	NA		Norsk Hydro
CN 9	18 Calcium nitrate solution	N	17/02/00	III	NA		Norsk Hydro
CO31717	11 2,6-Di-tert-butyl phenol	B	01/03/01	B	3	High Viscosity	Ethyl
Coatex M439/35A	18 Sodium poly(4+)acrylate solution	F	18/05/98	III	NA		Coatex
CP 7003	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	17/06/93	D	NA		ChevronTexaco
CP 7053	15 Calcium long chain alkyl phenate sulphide (C8-C40)	US	04/02/93	C	3		ChevronTexaco
Crude Alkylate	16 Benzene and mixtures having 1% benzene or more	G	09/12/91	C	3		Shell
Cyclopolydimethylsiloxane	18 Cyclohexiloxane, Cyclopolydimethylsiloxane	G		III	NA		
Debenzanised Pygas	16 Toluene	G	29/10/87	C	3		ICI
Dibasic Esters	11 Dimethyl adipate	US	28/08/87	B	3		Dupont
DIMATE PED	13 Hexene (all isomers)	US	15/07/02	B	3		ChevronTexaco
DIPE 17	17 t-Butyl alcohol	US	11/12/03	D	NA		Dow
Donax B	17 Brake fluid base mix	G	07/03/88	D	NA		Shell
Dow Chemical PC 16342	16 Toluene	US	18/12/92	C	3		Dow
ECA 10142M	10 Metal long chain alkyl acid salt	AA	12/01/89	A	3		Exxon
ECA 10843	15 Zinc alkyl dithiophosphate (C3-C14)	AA	12/01/89	C	3	High viscosity	Exxon
ECA 12419	10 Metal long chain alkyl acid salt	AA	12/01/89	A	3		Exxon
EF 50 180/230	17 iso- and cyclo- alkanes (C10-C11)	B	18/01/97	D	NA		Exxon
EF 50 IN 40/100	16 Pentane (all isomers)	B	02/04/01	C	3		ExxonMobil
EF 60 II 190/240	18 Iso-and cyclo-alkanes (C12+)	B	19/10/93	III	NA		Exxon
EFD 250/0	15 Alkyl (C5-C8) benzenes	B	21/02/91	C	3		Exxon
EPAD 7083	11 Diphenylamines, alkylated	US	01/02/93	B	3		Ethyl
EPAL 12-70	12 Dodecyl alcohol	US	24/08/01	B	3	High Viscosity	Albermarle
EPAL 1416 Alcohol	17 Dodecyl alcohol	US	11/12/03	D	NA		Albermarle
Escaid 100	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Escaid 110	15 Alkyl (C5-C8) benzenes	B		C	3		Exxon
Escaid 120	15 Alkyl (C5-C8) benzenes	B		C	3		Exxon
Exx-print B 9I D	18 Straight chain alkanes (C10-C20)	B		III	NA		Exxon
Exx-print H 70 A	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Exx-print M 75 A	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Exx-print T 76 A	18 Iso- and cyclo-Alkanes (C12+)	B	15/07/94	III	NA		Exxon
Exx-print T 82 A	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxal 13	11 Dodecyl alcohol	NL	05/12/95	B	3		Exxon
Exxal 9	11 Decyl alcohol	NL	05/12/95	B	3		Exxon

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Exxsol D 100	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 100 S	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 110	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 120	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Exxsol D 140	18 Iso- and cyclo-Alkanes (C12+)	NL	03/01/91	III	NA		Exxon
EXXSOL D 180/200 SP	15 Alkanes (C5-C9)	B	29/06/01	C	3		Exxon
Exxsol D 190/240	17 Iso- and cyclo-Alkanes (C10-C11)	B	19/10/93	D	NA		Exxon
Exxsol D 220/230	18 Iso- and cyclo-Alkanes (C12+)	B	06/02/90	III	NA		Exxon
Exxsol D 240/260	18 Iso- and cyclo-Alkanes (C12+)	B	30/08/90	III	NA		Exxon
Exxsol D 30	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 40	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 50	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 60	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol D 70	17 Iso- and cyclo-Alkanes (C10-C11)	B	19/10/93	D	NA		Exxon
Exxsol D 80	18 Iso- and cyclo-alkanes (C12+)	B		III	NA		Exxon
Exxsol D 80 HV	18 Iso- and cyclo-alkanes (C12+)	B	15/04/96	III			Exxon
Exxsol DSP 100/140	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 145/160	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 60/95 S	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 60/95 SH	16 Alkanes (C6-C9)	B		C	3		Exxon
Exxsol DSP 65/95	16 Alkanes (C6-C9)	B		C	3		Exxon
Fluid Base 57 DOT 4	17 Brake Fluid base mix	B	01/04/97	D	NA		Bp
Fluid base PC 2410	17 Brake Fluid base mix	B	01/04/97	D	NA		Bp
FRBZ 2221	12 Tall oil (crude and distilled)	US	23/11/93	B	3		Arizona
Gulf agent 1440	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
Gulf agent 1528-80	15 Polyolefin (mw 300+)	US		C	3	High viscosity	ChevronTexaco
Gulf agent 1676	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
Gulf agent 1730	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
Gulf agent 1732	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
HAN 8070	3 Poly(2+)cyclic aromatics	B		A	2		Exxon
HAN 8572	3 Poly(2+)cyclic aromatics	B	15/07/94	A	2		Exxon
Heavy Olefins	11 Olefin mixtures (C5-C15)	US	14/09/94	B	3		ExxonMobil
Hexaplas 911P	17 Dinonyl phthalate	G		D	NA		ICI
Hexaplas C8N	18 Diisooctyl phthalate	G		III	NA		ICI

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Hexaplas ON	17 Diisooctyl adipate	G		D	NA		ICI
Hexaplas OPN	17 Di-2-ethyl hexyl phthalate	G		D	NA		ICI
Hexene Dimate	13 Hexene (all isomers)	US	14/01/92	B	3		ExxonMobil
HiTEC 1103	15 Polyolefin phenolic amine (C28-C250)	US	19/10/93	C	3		Ethyl
HiTEC 1123	11 Diphenylamines, alkylated	US	05/08/97	B	3	High Viscosity	Ethyl
HiTEC 1123A	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1137	11 Diphenylamines, alkylated	US	06/04/01	B	3	High Viscosity	Ethyl
HiTEC 1209	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1209A	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/01	B	3	High Viscosity	Ethyl
HiTEC 1239B	11 Zinc alkyl dithiophosphate (C3-C14)	US	07/02/00	B	3	High Viscosity	Ethyl
HiTEC 1278	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity, Solidifying	Ethyl
HiTEC 1353	11 Zinc alkyl dithiophosphate (C3-C14)	US	09/07/96	B	3		Ethyl
HiTEC 1452	11 Diphenylamines, alkylated	US	09/07/96	B	3		Ethyl
HiTEC 1453	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1456	11 Diphenylamines, alkylated	US	09/07/96	B	3		Ethyl
HiTEC 1457	11 Zinc alkyl dithiophosphate (C3-C14)	US	09/07/96	B	3		Ethyl
HiTEC 1459	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1461	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1462	5 2,6-Di-tert-butyl phenol	US	27/11/00	B	2	High Viscosity	Ethyl
HiTEC 1463	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1463C	11 Diphenylamines, alkylated	US	15/10/01	B	3	High Viscosity	Ethyl
HiTEC 1464	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 1480	11 Diphenylamines, alkylated	US	31/05/01	B	3	High Viscosity	Ethyl
HiTEC 1904	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	28/10/99	D	NA		Ethyl
HiTEC 1914	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	28/10/99	D	NA		Ethyl
HiTEC 1919	15 Mineral oil	US	20/06/02	C	3	High Viscosity	Ethyl
HiTEC 1927	17 Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 1930	17 Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 1946	17 Polyolefin anhydride	US	28/10/99	D	NA		Ethyl
HiTEC 224	11 Sulpho hydrocarbon, long chain alkyl amine mixture	US	10/12/87	B	3	High Viscosity	Ethyl
HiTEC 2725	11 Zinc alkyl dithiophosphate (C3-C14)	US	22/09/89	B	3		Ethyl
HiTEC 343	15 Mineral oil	US	12/03/99	C	3	High viscosity, Solidifying	Ethyl
HiTEC 388	11 Phosphate esters alkyl (C12-C14) amines	US	30/03/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 403	11 Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl

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HiTEC 4035	5 Alkyl (C7-C9) nitrates	B	11/09/96	B	2	High viscosity	Ethyl
HiTEC 410	11 Diphenylamines, alkylated	US	30/03/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 4450	11 Diphenylamines, alkylated	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 4451	3 Poly (2+) cyclic aromatics	B	11/09/96	A	2	High viscosity	Ethyl
HiTEC 4620	4 Poly(2+)cyclic aromatics	B	13/11/01	A	2		Ethyl
HiTEC 4728	11 Methylene bridged isobutenylated phenols	US	23/09/96	B	3		Ethyl
HiTEC 4909	13 Naphthalene	US	03/08/95	B	3		Ethyl
HiTEC 4961A	13 Naphthalene	US	03/08/95	B	3		Ethyl
HiTEC 4961M	13 Naphthalene	US	01/05/97	B	3	High viscosity, Solidifying	Ethyl
HiTEC 4970	16 Polyalkylene oxide polyol	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 4980E	10 Trimethyl benzene (all isomers)	US	27/11/00	A	3		Ethyl
HiTEC 4987	10 Trimethyl benzene (all isomers)	US	28/05/99	A	3		Ethyl
HiTEC 4993	11 Naphthalene	US	15/03/94	B	3		Ethyl
HiTEC 4999	10 Trimethyl benzene (all isomers)	US	16/04/99	A	3		Ethyl
HiTEC 5701	17 Polyolefin (mw 300+)	US	28/10/99	D	NA		Ethyl
HiTEC 5714	17 Polyalkyl methacrylate (C11-C20)	US	27/11/00	D	NA		Ethyl
HiTEC 5723	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5725	17 Polyalkyl methacrylate (C10-C20)	US	28/10/99	D	NA		Ethyl
HiTEC 5748	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5752	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5766	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5767	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5770	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5772	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 5777	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 5777C	15 Mineral oil	B	17/01/00	C	3	High Viscosity	Ethyl
HiTEC 5777D	15 Mineral oil	US	15/10/01	C	3	High Viscosity	Ethyl
HiTEC 5798	18 Polyolefin (mw 300+)	US	28/10/99	III	NA		Ethyl
HiTEC 6103	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6105	11 Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6109	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6124	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6152	11 Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6159	3 Diphenylamines, alkylated	US	27/11/00	A	2		Ethyl

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HiTEC 615S	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 6179	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6204	9 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	A	3		Ethyl
HiTEC 6242	11 Diphenylamines, alkylated	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6281	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Ethyl
HiTEC 6421	16 Mineral oil	US	30/07/99	C	3	High viscosity	Ethyl
HiTEC 6423	16 Mineral oil	US	30/07/99	C	3	High viscosity	Ethyl
HiTEC 6430	4 Poly(2+)cyclic aromatics	B	20/11/01	A	2		Ethyl
HiTEC 6435	10 Trimethyl benzene (all isomers)	US	14/08/03	A	3		Ethyl
HiTEC 686	3 Calcium alkyl (C9) phenol sulphide/Polyolefin phosphorosulphide mixture	US	31/10/94	A	2		Ethyl
HiTEC 7083	11 Diphenylamines, alkylated	US	01/02/93	B	3		Ethyl
HiTEC 7197	11 Zinc alkyl dithiophosphate (C3-C14)	US	13/01/95	B	3		Ethyl
HiTEC 7272	17 Aryl polyolefins (C11-C50)	US	26/04/00	D	NA		Ethyl
HiTEC 7476	17 Polyolefin amide alkeneamine borate (C28-C250)	US	23/09/96	D	NA		Ethyl
HiTEC 7505	3 Diphenylamines, alkylated	US	27/10/93	A	2		Ethyl
HiTEC 7560	17 Polyolefin phenolic amine (C28-C250)	US	23/09/96	D	NA		Ethyl
HiTEC 7637	15 Mineral oil	US	27/11/00	C	3	High Viscosity	Ethyl
HiTEC 8025	5 Zinc alkyl dithiophosphate (C3-C14)	B	03/03/94	B	2	High Viscosity	Ethyl
HiTEC 8054	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8100	5 Zinc alkyl dithiophosphate (C3-C14)	B	17/01/94	B	2	High viscosity	Ethyl
HiTEC 8182	11 2,6-di-tert-Butylphenol	B	17/04/01	B	3	High Viscosity	Ethyl
HiTEC 8449	11 Zinc alkyl dithiophosphate (C3-C14)	B	04/10/00	B	3	High Viscosity	Ethyl
HiTEC 8483	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8543	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	B	3	High viscosity	Ethyl
HiTEC 8544	11 Zinc alkyl dithiophosphate (C3-C14)	B	16/03/98	B	3	High viscosity	Ethyl
HiTEC 8546	11 Methylene bridged isobutylenated phenols	B	02/09/98	B	3	High viscosity	Ethyl
HiTEC 8610	5 Zinc alkyl dithiophosphate (C3-C14)	B	22/12/97	B	2	High viscosity	Ethyl
HiTEC 9203	11 Diphenylamine alkylated	B	12/04/02	B	3	High Viscosity	Ethyl
HiTEC 9210	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/05/99	B	3	High viscosity, Solidifying	Ethyl
HiTEC 9227	11 Zinc alkyl dithiophosphate (C3-C14)	B	24/07/00	B	3	High Viscosity	Ethyl
HiTEC 9227A	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	B	3	High viscosity, Solidifying	Ethyl
HiTec 9227I	11 Zinc alkyl dithiophosphate (C3-C14)	B	11/07/03	B	3	High Viscosity	Ethyl
HiTEC 9229	11 Zinc alkyl dithiophosphate (C3-C14)	B	15/07/99	B	3	High viscosity	Ethyl

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HiTEC 9230	15	Zinc alkyl dithiophosphate (C3-C14)	B	11/09/96	C	3	High viscosity	Ethyl
HiTEC 9233	11	Zinc alkyl dithiophosphate (C3-C14)	B	07/01/03	B	3	High Viscosity	Ethyl
HiTEC 9550	3	Diphenylamines, alkylated	B	29/06/01	A	2		Ethyl
Infineum C9220	15	Polyolefin amide alkeneamine borate in mineral oil	NL	02/05/96	C	3		Infineum
Infineum C9250	17	Polyolefin amine alkenamine (C17+)	US	17/05/00	D	NA		Infineum
Infineum C9260	17	Polyolefin amide alkeneamine borate (C28-C250)	F	15/04/96	D	NA		Infineum
Infineum C9302	17	Aryl polyolefins (C11-C50)	F	06/12/88	D	NA		Infineum
Infineum C9304	17	Aryl polyolefins (C11-C50)	US	15/12/94	D	NA		Infineum
Infineum C9330	15	Calcium long chain alkaryl sulphonate (C11-C50) in mineral oil	F		C	3	High viscosity	Infineum
Infineum C9344	17	Magnesium long chain alkaryl sulphonate(C11-C50)	F	13/09/88	D	NA		Infineum
Infineum C9364	17	Alkyl phenol sulphide (C8-C40)	US	18/06/93	D	NA		Infineum
Infineum C9391	17	Calcium long chain alkyl phenate sulphide (C8-C40)	US	24/08/01	D	NA		Infineum
Infineum C9394	17	Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum C9417	11	Zinc alkyl dithiophosphate (C3-C14)	US	28/12/88	B	3	High viscosity	Infineum
Infineum C9425	11	Zinc alkyl dithiophosphate (C3-C14)	US	24/08/01	B	3	High Viscosity	Infineum
Infineum C9426	11	Zinc alkyl dithiophosphate (C3-C14)	US	24/08/01	B	3	High Viscosity	Infineum
Infineum C9532	4	Poly(2+)cyclic aromatics	NL	29/06/88	A	2		Infineum
Infineum C9594	16	Xylenes	NL	02/01/89	C	3		Infineum
Infineum C9995	18	Polybutene	US		III	NA		Infineum
Infineum D1155	5	Methylene bridged isobutylenated phenols	US	24/08/01	B	2	High Viscosity	Infineum
Infineum D1193	11	Zinc alkyl dithiophosphate (C3-C14)	NL	11/03/91	B	3	High viscosity	Infineum
Infineum D1272	11	Zinc alkyl dithiophosphate (C3-C14)	G	01/04/92	B	3		Infineum
Infineum D1274	11	Zinc Alkyl Dithiophosphate (C3-C14)	US	10/02/92	B	3		Infineum
Infineum D1284	11	Zinc alkyl dithiophosphate (C3-C14)	I	30/11/98	B	3	High Viscosity	Infineum
INFINEUM D1288	11	Zinc alkyl dithiophosphate (C3-C14)	I	18/11/03	B	3	High Viscosity	Infineum
Infineum D1560	15	Zinc alkaryl dithiophosphate (C7-C16)	US	15/01/96	C	3	High viscosity	Infineum
Infineum D2040	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Infineum
Infineum D2045	11	Zinc alkyl dithiophosphate (C3-C14)	NL	13/07/92	B	3		Infineum
Infineum D2080	11	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Infineum
Infineum D2101	15	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2106	15	Zinc alkyl dithiophosphate (C3-C14)	NL	13/07/92	C	3		Infineum
Infineum D2121	15	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2133	15	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2141	15	Zinc alkyl dithiophosphate (C3-C14)	B	13/11/95	C	3		Infineum

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Infineum D2142	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum D2170	11 Zinc alkyl dithiophosphate (C3-C14)	NL	10/12/96	B	3	High viscosity	Infineum
Infineum D2173	11 Zinc alkyl dithiophosphate (C3-C14)	NL	19/02/98	B	3	High viscosity	Infineum
Infineum D2174	5 Diphenylamines, alkylated	F	08/09/98	B	2	High viscosity	Infineum
Infineum D2283	15 Zinc alkyl dithiophosphate (C3-C-14)	US	05/01/96	C	3	High viscosity	Infineum
Infineum D3281	15 Zinc alkyl dithiophosphate (C3-C14)	AR	16/09/97	C	3	High viscosity, Solidifying	Infineum
INFINEUM D3347	11 Zinc alkyl dithiophosphate (C3-C14)	G	17/05/01	B	3	High Viscosity	Shell
INFINEUM D3348	11 Zinc alkyl dithiophosphate (C3-C14)	I	18/11/03	B	3	High Viscosity	Infineum
INFINEUM D3408	11 Zinc alkyl dithiophosphate (C3-C14)	G	13/12/01	B	3	High Viscosity	Infineum
Infineum D3426	5 Diphenylamines alkylated	I	18/09/03	B	2	High Viscosity	Infineum
Infineum D3900	11 Diphenylamines, alkylated	G	12/11/91	B	3	High viscosity	Infineum
Infineum F7704	16 Mineral oil	NL	16/01/89	C	3	High viscosity	Infineum
Infineum F7736	16 Xylenes	F	17/11/97	C	3	High viscosity	Infineum
Infineum F7741	16 Xylenes	F	17/11/97	C	3	High viscosity	Infineum
Infineum F7744	16 Polyolefinamine in alkyl (C2-C4) benzenes	US	24/08/01	C	3		Infineum
Infineum M7031	15 Calcium long chain alkyl salicylate (C13+)	NL	13/03/98	C	3	High viscosity	Infineum
Infineum M7110	15 Calcium long chain alkaryl sulphonate (C11-C50) in mineral oil	F	10/05/00	C	3		Infineum
Infineum M7152	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum M7154	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/05/00	D	NA		Infineum
Infineum M7210	15 Calcium long chain alkyl salicylate (C13+)	G	31/01/89	C	3		Infineum
Infineum M7213	15 Calcium long chain alkyl salicylate (C13+)	NL	21/02/94	C	3		Infineum
Infineum N9220	15 Polyolefin amide alkeneamine borate (C28-C250) in mineral oil	NL	10/05/00	C	3		Infineum
Infineum N9302	17 Aryl polyolefin (C11-C50)	F	10/05/00	D	NA		Infineum
Infineum P5278	11 Zinc alkyl dithiophosphate (C3-C14)	F	15/04/96	B	3		Infineum
Infineum P6075	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Infineum
Infineum P6121	11 Zinc alkyl dithiophosphate (C3-C14)	G	29/07/94	B	3		Infineum
Infineum P6136	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Infineum
Infineum P6137	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Infineum
Infineum P6159	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Infineum
Infineum P6199	15 Zinc alkyl dithiophosphate (C3-C14)	B	13/01/95	C	3		Infineum
Infineum P6210	11 Zinc alkyl dithiophosphate (C3-C14)	NL	05/01/01	B	3	High Viscosity	Infineum
Infineum P6212	11 Zinc alkyl dithiophosphate (C3-C14)	NL	18/07/03	B	3	High Viscosity	Infineum
Infineum P6213	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/10/02	B	3	High Viscosity	Infineum
Infineum P6410	11 Diphenylamines, alkylated	G	29/07/94	B	3		Infineum

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Infineum P6420	11 Zinc alkyl dithiophosphate (C3-C14)	G	29/07/94	B	3		Infineum
Infineum P6464	15 Zinc alkyl dithiophosphate (C3-C14)	B	13/11/95	C	3		Infineum
Infineum P6492	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/10/96	B	3	High viscosity	Infineum
Infineum P6510	11 Diphenylamines, alkylated	B	26/11/97	B	3	High viscosity, Solidifying	Infineum
Infineum P6602	11 Zinc alkyl dithiophosphate (C3-C14)	B	08/05/98	B	3	High viscosity	Infineum
Infineum P6603	11 Diphenylamines, alkylated	B	24/04/98	B	3	High viscosity	Infineum
Infineum P6611	15 Zinc alkyl dithiophosphate (C3-C14)	NL	23/05/97	C	3	High viscosity	Infineum
Infineum P6612	11 Diphenylamines, alkylated	NL	05/02/98	B	3	High viscosity	Infineum
Infineum P6613	11 Diphenylamines, alkylated	F	19/02/98	B	3	High viscosity	Infineum
Infineum P6627	11 Diphenylamines, alkylated	B	12/01/98	B	3	High viscosity	Infineum
Infineum R214	7 Alkyl (C3-C8) benzenes	NL		B	2	High viscosity	Infineum
Infineum R335	4 Poly(2+)cyclic aromatics	NL	29/06/88	A	2		Infineum
Ink Oil Solvent	15 Mineral oil	US	16/07/99	C	3		Calumet
ISO BUTYLOL	18 n-Propyl alcohol	SA	05/12/00	III	NA		Sasol
Isopar G	17 Iso- and cyclo-Alkanes (C10-C11)	B	05/10/89	D	NA		Exxon
Isopar H	17 Iso- and cyclo-Alkanes (C10-C11)	B		D	NA		Exxon
Isopar L	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
ISOPAR M	17 Iso- and cyclo-alkanes (C12+)	B	30/11/93	D	NA		Exxon
Isorchem 113	18 Alkyl (C9+) benzenes	I	15/01/97	III	NA		Condea
Jayflex DINP	17 Dialkyl (C7-C13) phthalates	US	02/11/95	D	NA		Exxon
Kemelix H 610	5 Dimethylethylbenzene	G		B	2		ICI
Kortacid 0810	15 Decanoic acid	NL	08/05/91	C	3		Akzo
LEC-300	11 Calcium long chain alkaryl sulphonate	US	11/12/03	B	3		Witco
LEC-300 HV	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	08/01/92	D	NA		Witco
LEGASOL B	18 n-Propyl alcohol	US	09/02/00	III	NA		Sheffield
LIAV 200	16 Alkanes (C6-C9)	SF	21/11/97	C	3		Fortum
LIAV 230	17 Cycloalkanes (C10-C11)	SF	21/11/97	D	NA		Fortum
LIAV 250	17 iso- and cyclo-alkanes (C10-C11)	SF	21/11/97	D	NA		Fortum
LIAV 270	18 n-Alkanes (C10+)	SF	21/11/97	III	NA		Fortum
LIAV 300	18 Iso- and cyclo-alkanes (C12+)	SF	12/12/01	III	NA		Fortum Oil and Gas
Lincol 6 + 10	11 Decylalcohol (all isomers) and Hexanol	D	26/04/95	B	3		Condea Chemie
Lincol 610	11 Decyl alcohol (all isomers)	US	10/11/94	B	3		Hiltveit
Lincol 610 H	11 Octanol 1 and Decanol 1	D	16/01/91	B	3		

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Lincol 68	15 Hexanol and Decylalcohol	D	26/04/95	C	3		Condea Chemie
Lincol 810	11 Decanol 1	D	20/08/90	B	3		
Linevol 711	11 Decyl alcohol (all isomers)	G	21/12/94	B	3		Shell
Linevol 79	15 Heptanol	G	07/03/88	C	3		Shell
Linevol 911	11 Decyl alcohol (all isomers)	G	07/03/88	B	3		Shell
LIPO	15 Poly (2+) cyclic aromatics	SF	21/11/97	C	3		Fortum
LOA 859	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/05/93	B	3		ChevronTexaco
LOA 959	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/07/93	B	3		ChevronTexaco
LOA 963	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
LUBAD 1006	11 Zinc alkyl dithiophosphate (C3-C14)	B	10/08/98	B	3	High viscosity	Shell
LUBAD 1053	15 Zinc alkyl dithiophosphate (C-3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBAD 1062	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/02/99	B	3	High viscosity	Lubrizol
LUBAD 1078	15 Zinc alkyl dithiophosphate (C3-C14)	US	07/03/01	C	3	High Viscosity	Lubrizol
LUBAD 1082	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/04/01	D	NA		ChevronTexaco
LUBAD 1084	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	19/06/01	D	NA		Lubrizol
LUBAD 1120	15 Zinc alkyl dithiophosphate (C3-C14)	US	27/02/01	C	3	High Viscosity	Lubrizol
LUBAD 1126	15 Mineral oil	US	02/05/01	C	3	High Viscosity	Lubrizol
LUBAD 1146	11 Zinc alkyl dithiophosphate (C3-C14)	US	29/05/01	B	3	High Viscosity	Lubrizol
Lubad 1233	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/04/03	C	3	High Viscosity	Lubrizol
LUBAD 166	11 Oleylamine	US	29/08/01	B	3	High Viscosity	Lubrizol
Lubad 360	11 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	B	3		Shell
LUBAD 365	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
Lubad 392	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
LUBAD 397	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Shell
LUBAD 408	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
LUBAD 416	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 432	15 Calcium long chain alkyl salicylate (13+)	G		C	3		Shell
LUBAD 435	17 Calcium long chain alkyl phenate sulphide (C8-C40)	G	15/09/87	D	NA		Shell
LUBAD 442	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 488	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
LUBAD 497	5 Tall oil fatty acid, Barium salt	US	29/08/01	B	2	High Viscosity	Lubrizol
LUBAD 502	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 507	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 508	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell

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LUBAD 525	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
LUBAD 526	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 541	15 Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
LUBAD 543	11 Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
LUBAD 605	15 Calcium long chain alkyl salicylate (C13+)	NL	13/03/98	C	3	High viscosity	Shell
LUBAD 642	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 662	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 669	5 Zinc alkyl dithiophosphate (C3-C14)	B	16/02/98	B	2	High viscosity	
LUBAD 671	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 672	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 673	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 674	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
LUBAD 675	15 Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
LUBAD 689	11 Zinc alkyl dithiophosphate (C3-C14)	B	21/12/94	B	3		Shell
LUBAD 770	15 Zinc alkyl dithiophosphate (C3-C14)	NL	28/10/98	C	3	High viscosity	Shell
LUBAD 842	11 Zinc alkyl dithiophosphate (C3-C14)	NL	03/10/96	B	3	High viscosity	Shell
LUBAD 906	11 Zinc alkyl dithiophosphate (C3-C14)	NL	19/02/98	B	3	High viscosity	Shell
LUBAD 908	15 Zinc alkyl dithiophosphate (C3-C14)	NL	21/05/97	C	3	High viscosity	Shell
LUBAD 909	5 Diphenylamines, alkylated	F	08/09/98	B	2	High viscosity	Shell
LUBAD 916	11 Diphenylamines, alkylated	NL	05/02/98	B	3	High viscosity	Shell
LUBAD 962	11 Diphenylamines, alkylated	F	19/02/98	B	3	High viscosity	Shell
LUBAD 982	11 Diphenylamines, alkylated	B	24/04/98	B	3	High viscosity	Shell
LUBAD G	15 Zinc alkyl dithiophosphate (C3-C14)	US	29/08/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 1046A	11 Oleylamine	US	30/07/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 19010	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/08/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 20000A	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/05/01	B	3	High Viscosity	Lubrizol
LUBRIZOL 20002B	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 20003	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/05/01	B	3	High Viscosity	Lubrizol
LUBRIZOL 20003C	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/02/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 20003E	11 Zinc alkyl dithiophosphate (C3-C14)	US	18/11/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 20003K	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/12/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 21021	11 Zinc alkyl dithiophosphate (C3-C14)	US	30/05/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 23577X	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 3174	18 Polyolefin amide alkenenammine (C17+)	US	02/12/93	III	NA	High viscosity	Lubrizol

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LUBRIZOL 3501	11	Zinc alkyl dithiophosphate (C3-C14)	US	26/02/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 3530	15	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 3576F	11	Zinc alkyl dithiophosphate (C3-C14)	US	27/11/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 3576J	11	Zinc alkyl dithiophosphate (C3-C14)	US	29/09/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 3577	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 3577K	11	Zinc alkyl dithiophosphate (C3-C14)	US	01/05/96	B	3	High viscosity	Lubrizol
LUBRIZOL 3579C	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 3580	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 3589	11	Zinc alkyl dithiophosphate (C3-C14)	US	16/10/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 3589D	11	Zinc alkyl dithiophosphate (C3-C14)	US	01/08/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 3589T	11	Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High Viscosity	Lubrizol
LUBRIZOL 3593A	11	Zinc alkyl dithiophosphate (C3-C14)	US	01/02/95	B	3	High viscosity	Lubrizol
LUBRIZOL 3594A	11	Zinc alkyl dithiophosphate (C3-C14)	US	17/09/96	B	3	High viscosity	Lubrizol
LUBRIZOL 3601	11	Zinc alkyl dithiophosphate (C3-C14)	US	28/02/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 390	17	Polyolefin phenolic amine (C28-C250)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 3939W	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3		Lubrizol
LUBRIZOL 3940	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 3940A	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3		Lubrizol
LUBRIZOL 3940C	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 395	15	Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 397	17	Alkenyl (C11+) amide	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 400A	17	Polyolefin phenolic amine (C28-C250)	US	20/10/95	D	NA	High viscosity	Lubrizol
LUBRIZOL 4816M	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4821M	11	Zinc alkyl dithiophosphate (C3-C14)	US	17/09/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4837A	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4837V	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4840	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4840A	11	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4856G	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4887A	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4888	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4911	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4915C	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4927	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

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LUBRIZOL 4927B	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	B	3	High viscosity	Lubrizol
LUBRIZOL 4933	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/10/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4950	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4950G	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4952	11 Zinc alkyl dithiophosphate (C3-C14)	US	31/12/96	B	3	High viscosity	Lubrizol
LUBRIZOL 4952A	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4952J	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4952P	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/06/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4953	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 4956A	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4958	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4959C	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4959F	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4960	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4966	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4966B	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 4968	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/04/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4970	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4970J	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 4970K	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 4970N	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4970T	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/97	B	3	High viscosity	Lubrizol
LUBRIZOL 4980A	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/11/99	C	3	High viscosity	Lubrizol
LUBRIZOL 4980J	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/05/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981A	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/02/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981C	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981H	15 Zinc alkyl dithiophosphate (C3-C14)	US	20/06/02	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981JD	15 Zinc alkyl dithiophosphate (C3-C14)	US	13/02/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 4981X	11 Zinc alkyl dithiophosphate (C3-C14)	US	27/02/01	B	3	High Viscosity	Lubrizol
LUBRIZOL 4981XD	15 Zinc alkyl dithiophosphate (C3-C14)	US	13/02/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 4982S	11 Zinc alkyl dithiophosphate (C3-C14)	US	29/05/01	B	3	High Viscosity	Lubrizol
LUBRIZOL 4986	11 Zinc alkyl dithiophosphate (C3-C14)	US	30/07/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 4990	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/02/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 4991C	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/08/03	B	3	High Viscosity	Lubrizol

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LUBRIZOL 4991D	11 Zinc alkyl dithiophosphate (C3-C14)	US	06/06/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 4994A	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	C	3	High viscosity	Lubrizol
LUBRIZOL 4994E	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/08/95	C	3	High Viscosity	Lubrizol
LUBRIZOL 4998	15 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol
LUBRIZOL 4999D	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/07/02	C	3	High Viscosity	Lubrizol
LUBRIZOL 5002	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 5206	11 Zinc alkyl dithiophosphate (C3-C14)	US	18/11/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 5232	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/04/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 5340MW	17 Sulphohydrocarbon (C3-C88)	US	28/02/02	D	NA		Lubrizol
LUBRIZOL 5340W	17 Sulphohydrocarbon (C3-C88)	US	13/02/02	D	NA		Lubrizol
LUBRIZOL 58S	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	20/10/95	D	NA	High viscosity	Lubrizol
LUBRIZOL 5986	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 600	17 Polyolefin amide alkeneamine (C17+)	US	03/11/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 601S	15 Mineral oil	US	02/05/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 6111	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 6298S	5 Tall oil fatty acid, barium salt	US	29/08/01	B	2	High Viscosity	Lubrizol
LUBRIZOL 6446A	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	26/08/99	D	NA		Lubrizol
LUBRIZOL 6470	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6470S	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 6477	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6478	15 Mineral oil	US	02/12/93	C	3		Lubrizol
LUBRIZOL 6488A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 6499A	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	26/08/99	D	NA		Lubrizol
LUBRIZOL 6499M	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 65	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6701D	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 6830	17 Aryl polyolefins (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6833	17 Alkyl (C8-C40) phenol sulphide	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 6950D	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 6950J	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/08/95	B	3	High viscosity	Lubrizol
LUBRIZOL 70116	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/04/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 73051	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 73085	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 73087	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

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LUBRIZOL 73259	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3		Lubrizol
LUBRIZOL 73770	17 Alkylbenzenesulphonic acid, sodium salt solution	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 73775	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74090	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/06/97	B	3	High viscosity	Lubrizol
LUBRIZOL 74095	11 Zinc alkyl dithiophosphate (C3-C14)	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 74179	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/95	B	3	High viscosity	Lubrizol
LUBRIZOL 74262	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/01	B	3	High Viscosity	Lubrizol
LUBRIZOL 74519	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74731	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74783	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74788	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74900	15 Zinc alkyl dithiophosphate (C3-C14)	US	01/12/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 74959	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 74960	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 74988	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7565	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7574B	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7574Q	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/08/94	B	3	High viscosity	Lubrizol
LUBRIZOL 7574V	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76006	17 Polyolefin amide alkeneamine (C17+)	US	29/08/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 76026	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 76038	17 Aryl polyolefins (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 76095	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76104	11 Dodecyl hydroxypropyl sulphide	US	07/03/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 76391	15 Mineral oil	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 76442	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 76460	11 Phosphate ester, alkyl (C12-C14) amine	US	03/11/97	B	3	High viscosity	Lubrizol
LUBRIZOL 76580	11 Oleylamine	US	02/12/93	B	3		Lubrizol
LUBRIZOL 76847	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 76884	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 76892	15 Mineral oil	US	19/06/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 77059	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77060	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77061	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol

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LUBRIZOL 77062	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77113	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 77205	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 77319	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 77475	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77479	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 77889	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 77918	11 Zinc alkyl dithiophosphate (C3-C14)	US	20/10/95	B	3	High viscosity	Lubrizol
LUBRIZOL 78009	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78011	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78015	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/04/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 78020	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3		Lubrizol
LUBRIZOL 78072	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 78088	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7808D	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7819A	11 Zinc alkyl dithiophosphate(C3-C14)	US	20/12/94	B	3	High viscosity	Lubrizol
LUBRIZOL 7819F	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/04/98	B	3	High viscosity	Lubrizol
LUBRIZOL 7819H	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/05/99	B	3	High viscosity	Lubrizol
LUBRIZOL 7819T	11 Zinc alkyl dithiophosphate (C3-C14)	US	15/11/95	B	3	High viscosity	Lubrizol
LUBRIZOL 7821	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7833K	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7841	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78419	3 Dodecyl hydroxypropyl sulphide	US	18/06/98	A	2	High viscosity	Lubrizol
LUBRIZOL 78475	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7854	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 7882E	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 78886	15 Mineral oil	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 78888	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 7888C	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 78891	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/06/94	C	3	High viscosity	Lubrizol
LUBRIZOL 7901	5 Dodecyl hydroxypropyl sulphide	US	08/02/96	B	2	High viscosity	Lubrizol
LUBRIZOL 79023	15 Alkaryl polyethers (C9-C20)	US	02/01/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 7906	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol
LUBRIZOL 7908	5 Dodecyl hydroxypropyl sulphide	US	02/12/93	B	2	High viscosity	Lubrizol

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LUBRIZOL 79152	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 79522	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 79728	11	Zinc alkyl dithiophosphate (C3-C14)	US	15/03/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 79831	15	Zinc alkyl dithiophosphate (C3-C14)	US	28/02/03	C	3		Lubrizol
LUBRIZOL 8192S	13	Polyolefinamine in alkyl(C2-C4)benzenes	US	10/01/96	B	3		Lubrizol
LUBRIZOL 8215	16	Polyolefinamine in alkyl (C2-C4) benzenes	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 8292C	17	Polyolefin phenolic amine (C28-C250)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8412CA	15	Mineral oil	US	03/10/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 8511E	11	Zinc alkyl dithiophosphate (C3-C14)	US	14/08/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 8525	17	Polyolefin amide alkeneamine (C17+)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8609	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 8666	17	Mineral oil	US	26/04/02	D	NA		Lubrizol
LUBRIZOL 8680C	17	Calcium long chain alkaryl sulphonate (C11-C50)	US	23/10/00	D	NA		Lubrizol
LUBRIZOL 8688	15	Mineral oil	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 8691	17	Mineral oil	US	29/05/02	D	NA		Lubrizol
LUBRIZOL 8695	15	Zinc alkyl dithiophosphate (C3-C14)	US	18/11/02	C	3	High Viscosity	Lubrizol
LUBRIZOL 8805C	11	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 8807A	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8871A	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8880E	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8880J	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8888	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8888A	11	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8893	11	Zinc alkyl dithiophosphate (C3-C14)	US	17/09/96	B	3	High viscosity	Lubrizol
LUBRIZOL 8900	11	Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 8900C	11	Zinc alkyl dithiophosphate (C3-C14)	US	13/02/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 8900D	11	Zinc alkyl dithiophosphate (C3-C14)	US	23/09/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 8900X	13	Zinc alkyl dithiophosphate (C3-C14)	US	30/08/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 8902	15	Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8902E	15	Zinc alkyl dithiophosphate (C3-C14)	US	08/08/97	C	3	High viscosity	Lubrizol
LUBRIZOL 8902M	15	Zinc alkyl dithiophosphate (C3-C14)	US	18/08/97	C	3	High viscosity	Lubrizol
LUBRIZOL 8910X	11	Zinc alkyl dithiophosphate (C3-C14)	US	18/11/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 8920C	11	Zinc alkyl dithiophosphate (C3-C14)	US	25/02/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 8920J	11	Zinc alkyl dithiophosphate (C3-C14)	US	03/10/03	B	3	High Viscosity	Lubrizol

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LUBRIZOL 8952	3 Dodecyl phenol	US	02/12/93	A	2	High viscosity	Lubrizol
LUBRIZOL 8960	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 8960A	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL 8960B	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/10/94	C	3	High viscosity	Lubrizol
LUBRIZOL 8967	15 Zinc alkyl dithiophosphate (C3-C14)	US	10/11/98	C	3	High viscosity	Lubrizol
LUBRIZOL 8967B	5 Dithiocarbamate ester (C7-C35)	US	21/01/00	B	2	High Viscosity	Lubrizol
LUBRIZOL 8989	11 Zinc alkyl dithiophosphate (C3-C14)	US	20/06/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 9212	15 Zinc alkyl dithiophosphate (C3-C14)	US	22/05/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9220	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/12/93	C	3	High viscosity	Lubrizol
LUBRIZOL 9222	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	21/12/99	D	NA		Lubrizol
LUBRIZOL 9222A	17 Calcium long chain alkaryl phenate sulphide (C8-C40)	US	30/05/03	D	NA		Lubrizol
LUBRIZOL 9225	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/12/93	D	NA	High viscosity	Lubrizol
LUBRIZOL 9226A	17 Calcium long-chain alkaryl phenate sulphide (C8-C40)	US	22/05/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9229	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	12/06/97	D	NA	High viscosity	Lubrizol
LUBRIZOL 9231	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	22/11/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9231A	17 Mineral oil	US	22/11/96	D	NA	High viscosity	Lubrizol
LUBRIZOL 9246	17 Calcium long chain alkaryl phenate sulphide (C8-C40)	US	01/03/01	D	NA		Lubrizol
LUBRIZOL 9530T	15 Octanol (all isomers)	US	01/02/95	C	3	High viscosity	Lubrizol
LUBRIZOL 9614Z	11 Mineral oil	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 9615Z	11 Mineral oil	US	21/01/00	B	3	High Viscosity	Lubrizol
LUBRIZOL 9633G	11 Dodecyl hydroxypropyl sulphide	US	28/02/03	B	3		Lubrizol
LUBRIZOL 9692A	15 Zinc alkaryl dithiophosphate (C7-C16)	US	08/03/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9802	15 Zinc alkyl dithiophosphate (C3-C14)	US	22/05/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9802C	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9803	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/07/96	B	3	High viscosity	Lubrizol
LUBRIZOL 9827	11 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL 9828	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828A	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828F	15 Zinc alkyl dithiophosphate (C3-C14)	US	08/06/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9828J	15 Zinc alkyl dithiophosphate (C3-C14)	US	17/04/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 9828K	15 Zinc alkyl dithiophosphate (C3-C14)	US	27/08/01	C	3	High Viscosity	Lubrizol
LUBRIZOL 9828T	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/01/97	B	3	High viscosity	Lubrizol
LUBRIZOL 9828V	15 Zinc alkyl dithiophosphate (C3-C14)	US	14/10/03	C	3	High Viscosity	Lubrizol
LUBRIZOL 9841	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/06/96	C	3	High viscosity	Lubrizol

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LUBRIZOL 9841A	15 Zinc alkyl dithiophosphate (C3-C14)	US	16/07/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9841B	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/01/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9841J	11 Zinc alkyl dithiophosphate (C3-C14)	US	18/11/02	B	3	High Viscosity	Lubrizol
LUBRIZOL 9842	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/01/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9845	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/02/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9845Y	11 Dithiocarbamate ester (C7-C35)	US	01/05/97	B	3	High viscosity	Lubrizol
LUBRIZOL 9846	15 Zinc alkyl dithiophosphate (C3-C14)	US	29/08/96	C	3	High viscosity	Lubrizol
LUBRIZOL 9915A	15 Zinc alkaryl dithiophosphate (C7-C16)	US	25/11/99	C	3	High viscosity	Lubrizol
LUBRIZOL 9915M	15 Zinc alkaryl dithiophosphate (C7-C16)	US	02/08/95	C	3	High viscosity	Lubrizol
LUBRIZOL 9990A	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/05/99	B	3	High viscosity	Lubrizol
LUBRIZOL 9990AX	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/08/03	B	3	High Viscosity	Lubrizol
LUBRIZOL 9992	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/08/03	B	3	High Viscosity	Lubrizol
LUBRIZOL A6043B	11 Phosphate esters, alkyl (C12-C14) amine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL A6044	11 Oleylamine	US	02/12/93	B	3	High viscosity	Lubrizol
LUBRIZOL A6044B	11 Oleylamine	US	02/12/93	B	3	High Viscosity	Lubrizol
LUBRIZOL A6063A	11 Oleylamine	US	08/02/96	B	3	High viscosity	Lubrizol
LUBRIZOL A98A	11 Phosphate ester, alkyl (C12-C14) amine	US	16/07/99	B	3	High viscosity	Lubrizol
LUBRIZOL A99	11 Oleylamine	US	02/12/93	B	3	High Viscosity	Lubrizol
LUBRIZOL ADX3866	5 Dodecyl phenol	US	18/02/00	B	2		Lubrizol
LUBRIZOL YA 141	11 Zinc alkyl dithiophosphate (C3-C14)	US	29/05/01	B	3	High Viscosity	Lubrizol
LUBRIZOL ZAF	15 Zinc alkyl dithiophosphate (C3-C14)	US	20/06/02	C	3	High Viscosity	Lubrizol
Lysalchem 82	11 Dodecyl alcohol	I	15/01/97	B	3	High viscosity	Condea
M-400-G	17 Magnesium long chain alkaryl sulphonate (C11-C50)	US	18/02/88	D	NA		Witco
M-400-T	17 Magnesium long chain alkaryl sulphonate (C11-C50)	US	18/02/88	D	NA		Witco
MCP 1257C	18 Alkanes (straight chain) C5-C9	US	25/01/93	III	NA		ExxonMobil
MCP 1514	11 Decyl alcohol (all isomers)	US	26/04/95	B	3		ExxonMobil
MCP 346A	15 Zinc alkenyl carboxamide	US	06/09/94	C	3		ExxonMobil
MF 293	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
MF 845	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
MOBIL Solvent Xylene	11 Ethylbenzene	US	04/08/93	B	3		ExxonMobil
Mobilad G210	11 Sulphohydrocarbon (C3-C88)	US	06/07/98	B	3	High viscosity	ExxonMobil
MOBILAD G252	15 Alkyl (C12-C14) amines	US	21/04/99	C	3		ExxonMobil
MOSSPAR H	18 Iso and n-alkanes (C10-C24)	SA	05/12/00	III	NA		Mossgas
MOSSPAR M	18 Iso and n-alkanes (C10-C16)	SA	05/12/00	III	NA		Mossgas

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Mosstanol 120	18 n-Propyl alcohol	SA	14/05/99	III	NA		Mossgas
Mosstanol H	17 n-Propyl alcohol	SA	14/05/99	D	NA		Mossgas
Mosstanol L	18 Ethyl alcohol	SA	14/05/99	III	NA		Mossgas
Mosstanol P	16 Amyl alcohols	SA	14/05/99	C	3		Mossgas
MPX	4 Cresols (all isomers) with xlenol	SA	17/01/91	A	2		Dvrban
Mud Oil IL 3000	5 White spirit	G		B	2		Esso
NAPGEL C2230	17 Ethylene glycol	B	01/04/97	D	NA		Bp
Nappar 10	16 Alkanes (C6-C9)	B		C	3		Exxon
Nappar 9	16 Alkanes (C6-C9)	B		C	3		Exxon
Naugalube 438L	3 Diphenylamines, alkylated	US	24/08/01	A	2		Ethyl
NEMO 9404	16 Mineral oil	G	05/06/98	C	3	High viscosity	Shell
NEMO 9423	7 White spirit low (15-20%) aromatic	G	05/06/98	B	2		Shell
NEMO 9431	16 Xylenes	G	05/06/98	C	3		Shell
NEMO 9436	16 Xylenes	G	05/06/98	C	3	High viscosity	Shell
NEMO 9439	16 Mineral oil	G	05/06/98	C	3		Shell
NEMO 9441	16 Xylenes	G	05/06/98	C	3	High viscosity	Shell
NEMO 9444	16 Xylenes	NL	03/07/98	C	3		Shell
NEMO 9600	16 Xylenes	G	05/06/98	C	3		Shell
Neodol 23	12 Dodecyl alcohol	G	07/03/88	B	3		Shell
Neodol 245	12 Dodecyl alcohol	US	16/01/98	B	3	High viscosity, Solidifying	Shell
Neodol 25	12 Dodecyl alcohol	US		B	3		Shell
Neodol 3	17 Dodecyl alcohol	US	22/06/90	D	NA		Shell
Neodol 91	11 n-Decyl alcohol	G	07/03/88	B	3		Shell
NEXBASE 2002	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
NEXBASE 2004	18 Polyolefin (mw 300+)	B	13/06/97	III	NA		Fortum
NEXBASE 2006	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
NEXBASE 2008	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
NEXBASE 3020	18 Cycloalkanes C12+	SF	28/02/02	III	NA		Fortum
NEXBASE 3030	18 Cycloalkanes C12+	SF	28/02/02	III	NA		Fortum
NEXBASE 3043	18 Cycloalkanes (C12+)	SF	28/02/02	III	NA		Fortum
NEXBASE 3050	18 Cycloalkanes C12+	SF	28/02/02	III	NA		Fortum
NEXBASE 3060	18 Cycloalkanes C12+	Sf	28/02/02	III	NA		Fortum
NEXBASE 3080	18 n-Alkanes (C10+)	SF	09/04/03	III	NA		Fortum
Odourless mineral spirits	13 n-Paraffins and Isoparaffins	US	02/01/90	B	3		Total Solvent

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OGA 330 WXR	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	02/12/93	C	3		ChevronTexaco
OGA 472	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	25/11/92	C	3		ChevronTexaco
OGA 476BR	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	19/11/93	C	3		ChevronTexaco
OGA 476BZW	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	30/10/92	C	3		ChevronTexaco
OGA 476CX	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	18/04/89	C	3		ChevronTexaco
OGA 476TP	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	02/12/93	C	3		ChevronTexaco
OGA 476TPC	15 Polyolefin amine in Alkyl (C2-C4) benzenes	US	16/02/94	C	3		ChevronTexaco
OGA 478CX	15 Polyolefin amine in alkyl (C2-C4) benzenes	US	04/11/92	C	3		ChevronTexaco
OGA 479R	15 Polyolefin amine in Alkyl (C2-C4) benzenes	US	17/02/94	C	3		ChevronTexaco
OGA 480	16 Long chain polyetheramine in alkyl (C2-C4) benzenes	US	04/11/92	C	3		ChevronTexaco
OGA 492	15 Long chain polyetheramine in alkyl (C2-C4) benzenes	US	25/11/92	C	3	High viscosity	ChevronTexaco
OGA 501	15 Polyolefinamine in alkyl (C2-C4) benzenes	US	04/11/92	C	3		ChevronTexaco
OGA 938	4 Alkyl (C5-C9) benzenes	US	28/10/99	A	2		ChevronTexaco
OGA 938C	4 Alkyl (C5-C9) benzenes	US	28/10/99	A	2		ChevronTexaco
OGP 201	11 Solvent naphtha	G	09/01/95	B	3	High viscosity	Octel
OGP 2367	7 White Spirit	G	09/12/99	B	2	High Viscosity	Octel
OGP 2377	7 White spirit	G	29/03/96	B	2		Octel
OLOA 1200B	17 Polyolefin amide alkeneamine (C17+)	US		D	NA	High viscosity	ChevronTexaco
OLOA 1200Z	17 Polyolefin amide alkeneamine (C17+)	US	08/06/89	D	NA		ChevronTexaco
OLOA 1510S	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 1510T	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 1592	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/08/92	D	NA		ChevronTexaco
OLOA 1593	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/08/92	D	NA		ChevronTexaco
OLOA 219C	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	08/06/89	D	NA		ChevronTexaco
OLOA 219E	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 219S	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/05/91	D	NA		ChevronTexaco
OLOA 246BW	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	31/12/93	D	NA		ChevronTexaco
OLOA 246S	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA	High viscosity	ChevronTexaco
OLOA 247EJ	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	04/12/91	D	NA		ChevronTexaco
OLOA 247EW	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	31/12/93	D	NA		ChevronTexaco
OLOA 2564E	17 Polyolefin anhydride	US		D	NA		ChevronTexaco
OLOA 2850D	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		ChevronTexaco
OLOA 2850M	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		ChevronTexaco
OLOA 2939	18 Alkyl phenate sulphide	US	20/05/88	III	NA		ChevronTexaco

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OLOA 2992	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
OLOA 319	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	27/09/88	D	NA		ChevronTexaco
OLOA 355	17 Polyolefin amide alkeneamine (C17+)	US	21/01/93	D	NA		ChevronTexaco
OLOA 4094	11 Zinc alkyl dithiophosphate (C3-C14)	US	06/04/92	B	3		ChevronTexaco
OLOA 4096	11 Zinc alkyl dithiophosphate (C3-C14)	US	06/04/92	B	3		ChevronTexaco
OLOA 4132N	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 4159	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 4162EC	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 4260C	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 4375H	17 Polyolefin amide alkeneamine (C17+)	US		D	NA		ChevronTexaco
OLOA 4848A	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 4851	11 Zinc alkyl dithiophosphate (C3-C14)	F	11/05/88	B	3		Chevron
OLOA 5100	17 Polyolefin amide alkeneamine borate (C28-C250)	US		D	NA	High viscosity	ChevronTexaco
OLOA 59010	11 Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	B	3	High Viscosity	ChevronTexaco
OLOA 59013	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/09/01	B	3	High Viscosity	ChevronTexaco
OLOA 6064A	11 Alkyl phenol	US	19/01/94	B	3		ChevronTexaco
OLOA 6089	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 6089A	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 6097	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 6119	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 6125	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/03/91	D	NA		ChevronTexaco
OLOA 6720	18 Polybutene	US	12/07/93	III	NA		ChevronTexaco
OLOA 6722	17 Polyolefin amide alkeneamine (C17+)	US	12/07/93	D	NA		ChevronTexaco
OLOA 6750	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 6759	11 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	B	3	High Viscosity	ChevronTexaco
OLOA 6767	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	14/03/94	D	NA		ChevronTexaco
OLOA 6769	5 Diphenylamine, reaction product with 2,2,4-trimethylpentene	US	15/03/94	B	2		ChevronTexaco
OLOA 6804	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 6810	17 Calcium long chain alkaryl sulphonate (C11-C50)	US		D	NA		ChevronTexaco
OLOA 6814	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 6816	11 Alkyl phenol	US	19/01/94	B	3		ChevronTexaco
OLOA 6820	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 6821	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 6821A	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco

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OLOA 6824	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 6825	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 6834	11 Zinc alkyl dithiophosphate (C8-C14)	US	16/07/93	B	3		ChevronTexaco
OLOA 6838	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	29/01/92	D	NA		ChevronTexaco
OLOA 6840	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 6842	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		ChevronTexaco
OLOA 6845	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		ChevronTexaco
OLOA 6847C	11 Zinc alkyl dithiophosphate (C3-C14)	US	15/03/94	B	3		ChevronTexaco
OLOA 6860	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 6877	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 6899	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 6987	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
OLOA 716	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 716P	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 752C	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 753B	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 754E	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	21/03/91	D	NA		ChevronTexaco
OLOA 754P	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	28/10/99	D	NA		ChevronTexaco
OLOA 755	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	28/10/99	D	NA		ChevronTexaco
OLOA 756	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
OLOA 756A	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 757S	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 758D	15 Long chain alkaryl polyether (C11-C20)	US	26/02/03	C	3	High Viscosity	ChevronTexaco
OLOA 759E	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 759T	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA		ChevronTexaco
OLOA 760	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	29/03/01	D	NA		ChevronTexaco
OLOA 8361	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8364	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8380C	11 Zinc alkyl dithiophosphate (C3-C14)	US	14/06/88	B	3		ChevronTexaco
OLOA 857E	15 Zinc alkyl dithiophosphate (C3-C14)	US	27/06/94	C	3		ChevronTexaco
OLOA 858B	15 Zinc alkyl dithiophosphate (C3-C14)	US		C	3	High viscosity	ChevronTexaco
OLOA 858C	15 Zinc alkyl dithiophosphate (C3-C14)	US	13/10/87	C	3		ChevronTexaco
OLOA 859B	15 Zinc alkyl dithiophosphate (C3-C14)	US	29/10/93	C	3		ChevronTexaco
OLOA 867	15 Zinc alkyl dithiophosphate (C3-C14)	US	28/10/99	C	3	High Viscosity	ChevronTexaco

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OLOA 8709	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/07/89	B	3		ChevronTexaco
OLOA 8719	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 8719G	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 87E	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Ciba Geigy
OLOA 8804	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8805	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8805D	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8807S	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3		ChevronTexaco
OLOA 8809	11 Zinc alkyl dithiophosphate (C3-C14)	US		B	3	High viscosity	ChevronTexaco
OLOA 8810	11 Zinc alkyl dithiophosphate (C3-C14)	US	02/01/90	B	3		ChevronTexaco
OLOA 8810T	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/07/92	B	3		ChevronTexaco
OLOA 8810TS	15 Zinc alkyl dithiophosphate (C3-C14)	US	11/03/93	C	3		ChevronTexaco
OLOA 8827	15 Zinc alkyl dithiophosphate (C7-C16)	US	28/02/03	C	3	High Viscosity	ChevronTexaco
OLOA 887	15 Zinc alkyl dithiophosphate (C7-C16)	US	26/02/03	C	3	High Viscosity	ChevronTexaco
OLOA 9000A	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	C	3		ChevronTexaco
OLOA 9000B	11 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	B	3		ChevronTexaco
OLOA 9000C	11 Zinc alkyl dithiophosphate (C3-C14)	US	07/12/93	B	3		ChevronTexaco
OLOA 9061	11 Zinc alkyl dithiophosphate (C3-C14)	US	29/07/02	B	3	High Viscosity	ChevronTexaco
OLOA 9100	15 Zinc alkyl dithiophosphate (C3-C14)	US	25/03/93	C	3		ChevronTexaco
OLOA 9350	18 Polybutene	US	12/07/93	III	NA		ChevronTexaco
OLOA 9357	17 Polyolefin amide alkeneamine (C17+)	US	12/07/93	D	NA		ChevronTexaco
OLOA 9830	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/08/94	C	3		ChevronTexaco
OLOA 9840	11 Zinc alkyl dithiophosphate (C3-C14)	US	23/01/00	B	3	High Viscosity	ChevronTexaco
OSCANOL	18 Ethyl alcohol	US	10/10/00	III	NA		New Orleans Mar. Ser
Oxinol	17 Methyl alcohol	NL	27/10/97	D	NA		Arco
PA02	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
PA04	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
PA06	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
PA08	18 Polyolefin (mw 300+)	B	13/06/97	III	N/A		Fortum
Paramar 7013	17 Calcium long chain alkyl phenate sulphide (C8-C40)	NL		D	NA		Exxon
Paranox 1142	11 Zinc alkyl dithiophosphate (C3-C14)	F	18/02/91	B	3	High viscosity	Exxon
Paranox 1160	17 Polyolefin amide alkeneamine borate (C28-C250)	AR	21/04/97	D	NA		Exxon
Paranox 1272C	11 Zinc alkyl dithiophosphate (C3-C14)	US	17/05/89	B	3	High viscosity	Infineum

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Paranox 5682	11 Zinc alkyl dithiophosphate (C3-C14)	NL	01/07/94	B	3	High viscosity	Exxon
Paranox 5686	11 Zinc alkyl dithiophosphate (C3-C14)	G	16/01/92	B	3	High viscosity	Exxon
Paranox 5689	11 Zinc alkyl dithiophosphate (C3-C14)	G	04/10/95	B	3	High viscosity	Exxon
PARASET 29H	11 Poly(2+)cyclic aromatics	G	16/12/02	B	3		Carless
PARASET 32S	11 Poly(2+)cyclic aromatics	G	16/12/02	B	3		Carless
Paratone 8002	15 Polyolefin (mw 300+) in mineral oil	G	13/07/94	C	3	High viscosity	Exxon
Paratone 8230	15 Polyolefin (mw 300+) in mineral oil	G	15/04/96	C	3		Exxon
Paratone 8232	15 Polyolefin (mw 300+)	US	20/05/93	C	3		Infineum
Paratone 8238	15 Polyolefin (mw 300+) in mineral oil	F	28/06/88	C	3	High viscosity	Exxon
Paratone 8451	15 Polyolefin (mw 300+)	US	20/10/95	C	3		Exxon
Paratone 8468	15 Alkylester Copolymer (C4-C20)	US	03/11/94	C	3		Infineum
Paratorq 4599	15 Mineral oil	US	03/04/96	C	3	High viscosity	Infineum
Pazad 93	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
Petrinex ASB	5 Dimethylethylbenzene	G		B	2		ICI
Petrostep H-62 Cons	17 Long chain alkaryl sulfonic acid (C16-C60)	US	26/03/90	D	NA		ChevronTexaco
PILOT 140	15 Poly(2+)cyclic aromatics	G	16/12/02	C	3		Carless
Revinex 85	18 Styrene/Butadiene rubber latex	G		III	NA		
Revinex 85P10	18 Styrene/Butadiene rubber latex	G		III	NA		Doverstrand
Roehm monomer 1165	15 Polyalkyl methacrylate(C11-C20) in mineral oil	US	07/09/87	C	3	High viscosity	Roehm
RT 29	12 Tall oil (crude and distilled)	US	23/11/93	B	3		Arizona
SA 267	17 Calcium long chain alkaryl sulphonate (C11-C50)	US	02/09/02	D	NA		Lubrizol
SA266	15 Zinc alkyl dithiophosphate (C3-C14)	US	24/08/02	C	3	High Viscosity	Lubrizol
SA453	15 Zinc alkyl dithiophosphate (C3-C14)	US	02/09/02	C	3	High Viscosity	Lubrizol
SA464	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/08/02	B	3	High Viscosity	Lubrizol
Sabutol	18 Butyl alcohols	US	06/06/89	III	NA		
Santosol DME Dimethyl ester	11 Dimethyl adipate	US	02/04/99	B	3		Solutia
SAP 1040	15 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	C	3		Shell
SAP 1061B	11 Zinc alkyl dithiophosphate (C3-C14)	G	09/04/87	B	3		Shell
SAP 1075A	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1081A	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1082	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1084	15 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1085	15 Calcium long chain alkyl salicylate (C13+)	G	31/01/89	C	3		Shell
SAP 1087	11 Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell

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SAP 1092	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1093	15	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	C	3		Shell
SAP 1098	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 1101	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1109	15	Zinc alkyl dithiophosphate (C3-C14)	NL	14/11/88	C	3		Shell
SAP 1120C	11	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
SAP 1126	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1127	15	Calcium long chain alkyl salicylate (C13+)	G		C	3		Shell
SAP 1128	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1136	15	Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 1137	11	Zinc alkyl dithiophosphate (C3-C14)	NL	12/06/90	B	3		Shell
SAP 1139	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 1139A	11	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell
SAP 1163	11	Zinc alkyl dithiophosphate (C3-C14)	NL	03/01/89	B	3		Shell
SAP 1166	15	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	C	3		Shell
SAP 1169	15	Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 1406	15	Calcium long chain alkyl salicylate (C13+)	B	30/09/94	C	3		Shell
SAP 1414	15	Zinc alkyl dithiophosphate (C3-C14)	B	07/12/95	C	3	High viscosity	Shell
SAP 1500A	11	Zinc alkyl dithiophosphate (C3-C14)	B	15/07/99	B	3	High viscosity	Shell
SAP 1500SP	11	Zinc alkyl dithiophosphate (C3-C14)	NL	15/12/00	B	3	High Viscosity	Shell
SAP 2033	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2040C	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2048	15	Zinc alkyl dithiophosphate (C3-C14)			C	3		Shell
SAP 2058	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2058X	11	Zinc alkyl dithiophosphate (C3-C14)		13/07/92	B	3		Shell
SAP 2062	11	Zinc alkyl dithiophosphate (C3-C14)	G	31/01/89	B	3		Shell
SAP 2063	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2064	15	Calcium long chain alkyl salicylate (C13+)	NL	14/11/88	C	3		Shell
SAP 2067	15	Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2068	15	Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2080	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2081	11	Zinc alkyl dithiophosphate (C3-C14)	G		B	3		Shell
SAP 2084	5	Zinc alkyl dithiophosphate (C3-C14)	NL	18/07/03	B	2	High Viscosity	Infineum
SAP 2099	11	Zinc alkyl dithiophosphate (C3-C14)	B	21/07/93	B	3		Shell

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SAP 2099A	11	Zinc alkyl dithiophosphate (C3-C14)	B	09/03/95	B	3	High viscosity	Shell
SAP 2101	15	Zinc alkyl dithiophosphate (C3-C14)	G		C	3		Shell
SAP 2129	15	Zinc alkyl dithiophosphate (C3-C14)			C	3		Shell
SAP 2145	15	Calcium long chain alkyl salicylate (C13+)	G		C	3		Shell
SAP 2157	15	Zinc alkyl dithiophosphate (C3-C14)	B	09/03/95	C	3		Shell
SAP 7003	11	Heavy aromatic solvent naphtha	G	29/07/94	B	3		Shell
SAP 907	12	Heavy aromatic solvent naphtha	G	09/04/87	B	3		Shell
SAP 9408K	15	Xylene	B		C	3		Shell
SAP 941	16	Mineral oil	NL	31/01/89	C	3		Shell
SAP 9421K	13	Naphthalenes	NL	04/02/92	B	3		Shell
SAP 9423	7	White spirit	G		B	2		Shell
SAP 9427K	13	Polyolefin acid potassium salt	B	21/07/93	B	3		Shell
SAP 9431	16	Xylenes	G	29/07/94	C	3		Shell
SAP 9439	16	Refined mineral oil	F	17/11/97	C	3		Shell
SAP 9444	16	Xylenes	NL	03/07/98	C	3		Shell
SAP 9600	16	Xylenes	G	29/07/94	C	3		Shell
SAP 991	16	Xylenes	G	29/07/94	C	3		Shell
SAP 991D	16	Xylenes	G	29/07/94	C	3		Shell
Shell 08381	17	Calcium long chain alkyl phenate sulphide (C8-C40)	US	02/12/91	D	NA		ChevronTexaco
Shellsol R	11	Solvent naphtha	G	07/03/88	B	3		Shell
SM 1500D	11	Zinc alkyl dithiophosphate (C3-C14)	G	13/03/03	B	3	High Viscosity	Infineum
SM 6213	11	Zinc alkyl dithiophosphate (C3-C14)	G	13/03/03	B	3	High Viscosity	Infineum
SM9229A	11	Zinc alkyl dithiophosphate (C3-C14)	B	12/03/03	B	3	High Viscosity	Ethyl
SM9229D	11	Zinc alkyl dithiophosphate (C3-C14)	B	12/03/03	B	3	High Viscosity	Ethyl
SO 400	17	Calcium long chain alkyl phenate sulphide (C8-C40)	US		D	NA	High viscosity	ChevronTexaco
Sodium bisulphite solution (40%)	15	Sodium bisulphite solution (40%)	G	29/08/90	C	3		William Blythe
Soltrol 100	16	Nonane (all isomers)	US	06/06/95	C	3		Phillips 66
Soltrol 130	17	iso- and cyclo-alkanes (C10-C11)	US	06/06/95	D	NA		Phillips 66
Solvent 512	16	Methylamyl alcohol	US	12/05/00	C	3		ExxonMobil
SOLVENT BLEND 114	16	Butyl alcohol (all isomers)	US	12/08/92	C	3		Exxon
Solesso 150	3	Poly(2+)cyclic aromatics	B		A	2		Exxon
Solesso 200	3	Poly(2+)cyclic aromatics	B		A	2		
SP 7053	15	Calcium long chain alkyl phenate sulphide (C8-C40)	US	13/01/93	C	3		ChevronTexaco
STOCK 22012	15	Zinc alkyl dithiophosphate (C3-C14)	US	30/07/02	C	3	High Viscosity	Lubrizol

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Stock 3046	11 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	B	3	High viscosity	Lubrizol
Stock 3260	11 Diphenylamines, alkylated	B	08/06/98	B	3	High viscosity	Shell
Stock 3288	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
Surfol 12/70	12 Dodecyl alcohol	US	22/06/99	B	3		Huntsman
Surfol 1214	12 Dodecyl alcohol	US	30/08/99	B	3		Huntsman
SURFOL 1416	17 Calcium long chain alkyl phenate sulphide (C8-C40)	US	08/04/99	D	NA		Huntsman
TALLEX.SE	12 Tall oil (crude and distilled)	US	12/09/02	B	3	High Viscosity	MeadWestvaco corp.
TALLEX.SE1	15 Tall oil (crude and distilled)	US	01/10/02	C	3	High Viscosity	MeadWestvaco corp.
TALLEX.SE2	15 Tall oil fatty acid (resins acids less than 20%)	US	16/10/03	C	3	High Viscosity	MEADWestvaco
TBA-MTBE Blend	17 Methyl tert-butyl ether	US	02/11/01	D	NA		ESK Corp.
Trioxitol G	15 Glycols and Glycol ethers	G	07/03/88	C	3		
Ultracel polyol 2000	17 Polyethers (molecular weight 2000+)	US	24/08/01	D	NA		Arco
Varsol 110	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Varsol 120	11 Alkyl (C5-C8) benzenes	B		B	3		Exxon
Varsol 140	18 Iso- and cyclo-Alkanes (C12+)	B		III	NA		Exxon
Varsol 30	10 Alkyl (C3-C4) benzenes	B		A	3		Exxon
Varsol 40	10 Alkyl (C3-C4) benzenes	B		A	3		Exxon
Varsol 60	3 Alkyl (C3-C4) benzenes	B		A	2		Exxon
Varsol 6017	9 Alkyl (C3-C4) benzenes	B	10/07/97	A	3		Exxon
Varsol 80	3 Alkyl (C5-C8) benzenes	B		A	2		Exxon
Voranol CP3040	17 Polyether polyols	G		D	NA		Dow
Voranol CP3200	17 Polyether polyols	G		D	NA		Dow
Voranol CP3322	17 Polyether polyols	G		D	NA		Dow
Wacker silicate TES 40	17 Tetra ethyl silicate monomer/oligomer blend	B	14/03/97	D	NA		Bp
Waste methanol	13 Toluene	G		B	3		
XA 11226	11 Zinc alkyl dithiophosphate (C3-C14)	US	11/12/87	B	3	High viscosity	ChevronTexaco
Y-1680	15 Zinc alkyl dithiophosphate (C3-C14)	US	30/05/03	C	3	High Viscosity	Lubrizol
Y-2360	15 Zinc alkyl dithiophosphate (C3-C14)	US	12/10/99	C	3	High viscosity	Lubrizol
YA 266	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
YA 267	17 Calcium long chain alkyl sulphonate (C11-C50)	US	25/11/99	D	NA	High viscosity	Lubrizol
YA 382	15 Zinc alkyl dithiophosphate (C3-C14)	US	18/10/99	C	3	High Viscosity	Lubrizol
YA 451	11 Zinc alkyl dithiophosphate (C3-C14)	US	19/06/01	B	3	High Viscosity	Lubrizol

IMO Tripartite Agreement List 2

Pollutant only mixtures, classified by calculation or assessed as a whole

Tradename	n.o.s.	Contains	Rep	Receive Date	Cat	ST	Remark	Company
YA 453	15	Zinc alkyl dithiophosphate (C3-C14)	US	29/08/01	C	3	High Viscosity	Lubrizol
YA-464	11	Zinc alkyl dithiophosphate (C3-C14)	US	11/12/03	B	3	High Viscosity	Lubrizol
YPAD 81	15	Zinc alkyl dithiophosphate (C3-C14)	US	23/10/00	C	3	High Viscosity	Lubrizol

IMO Tripartite Agreement List 3

Tradename mixtures/substances with safety hazards which are not expected to enter the Code

Tradename	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	D	ST	F	G	H	I	I'	I''	J	K	L	M	N	O	Company
BAYER LIQUOR		US	BS, LI, N, PA, RS	10/09/01	17/12/04	D	S	3	2G	Open	No	NF	NF	NF	O	No	No	N1	No		Alcoa
BLEND TN-100	Ethyl benzene and toluene	NL	CA, N, G	11/07/03	17/12/06	B	S/P	3	2G	Cont	No	-	-	No	C	F	A		No	15.12, 15.17, 15.19.6, 16.2.9	DOW
BLEND TN-160	Vinytoluenes	NL	All countries	23/09/96	None	A	S/P	2	2G	Cont	Pad			No	C	F-T	B-D		E	15.12, 15.19.6, 15.21, 16.6.1, 16.6.2	Dow
C9 Resinfeed (DSM)	Naphthalene, Methylstyrene, Vinytoluene	NL	All countries		None	A	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	B,D	N1	E	15.13, 15.19.6	Dsm
C9 Resinfeed (EMCC)		US	F, I, NL, N, G	15/12/03	17/12/06	A	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	BD	N1	E	15.13, 15.19.6	ExxonMobil
Catoxid feedstock	Mixture of chlorinated hydrocarbons	NL	All countries		None	B	S/P	2	2G	Cont	No	T1	IIA	No	C	F-T	A,D	Z,N 1	E	15.12, 15.16.1, 15.17, 15.19	
Ethyleneamine EA 1302	Ethyleneamine	NL	All countries	07/03/89	None	C	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	N1	No	15.19.6, 16.2.9	Dow
HiTEC 321	Sulphohydrocarbon Long chain (C18+) alkylamine	US	All countries	01/08/93	None	B	S/P	3	2G	Cont	No			Yes	O	No	A		No	15.19.6, 16.2.9, 16.2.6, 16A.2.2	Ethyl
Infineum F7661		NL	AR, LI, N, F	31/08/00	17/12/04	A	S/P	2	2G	Open	No			Yes	O	No	A, B		No	15.19.6, 15.20, 16.6.1 to 16.6.3	Infineum
Isoprene concentrate (Shell)	Isoprene with Pentanes and Pentenes	NL	All countries	05/12/91	None	C	S/P	3	2G	Cont	No	T3	IIB	No	R	F	B		No	15.13, 15.14, 16.6.1, 16.6.2	Shell
NEMO 7062		F	N, AR	25/04/00	17/12/04	B	S/P	2	2G	Open	No			Yes	O	No	A, B		No	15.19.6, 15.20, 16.6	Infineum
NIAX POLYOL APP 240C	Phthalate based polyester polyol	US	All countries	21/12/90	None	D	S	3	2G	Open	No			Yes	O	No	A		No		Union Carbide
Roehm monomer 6615	Methacrylates (C12-C15)	D	All countries	21/09/94	None	D	S	3	2G	Cont	No			Yes	R	No	ACD	N4	No	15.12.1, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2	Roehm
ROUNDUP	Glyphosate (containing corrosive surfactant)	US	All countries	01/02/90	None	B	S/P	3	2G	Open	No			Yes	O	No	AB	Y1	No	15.19.6, 16.2.6	Monsanto
SAP 7001	Alkyl (C7-C9) nitrates	NL	All countries	22/09/92	None	B	S/P	2	2G	Open	No			Yes	O	No	A,B		No	15.19.6, 15.20, 16.6.1 to 16.6.3	Shell
Ucarsol CR Solvent 302 SG	Methyldiethanolamine blend	US	All countries	23/01/91	None	D	S	3	2G	Open	No			Yes	O	No	A	N2	No		Union Carbide

IMO Tripartite Agreement List 4
Pollutant only mixtures with >3% unassessed components

Tradename	n.o.s.	Contains	Rep	Countries	Receive Date	Expiry Date	Cat	ST	Remark	Company
FINAGREEN BDMF LV	17	Ester of unsaturated long chain fatty acid	B	LI, NL, N, VQ, G, I, CY, GR, J	24/01/02	17/12/05	D	NA		Fina
FINAGREEN BDMF VLV	17	Ester of unsaturated long chain fatty acid	B	LI, NL, PA, N, VQ, G, I, CY, GR, J	24/01/02	17/12/05	D	NA		Fina
FLO MO 1407	11	Ethoxylated tallow alkylamine	US	BS, N, PA, RS, BR, LI	31/08/00	17/12/04	B	3	High Viscosity	Crompton Corporation
HEAVY OXO FRACTION	17	C14-C24 alcohol, ether alcohol and ether mixtures	NL	B, D, I, LU	24/07/02	17/12/05	D	NA		
LUBAD 1014	11	Zinc alkyl dithiophosphate (C3-C14)	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	08/06/00	17/12/04	B	3	High Viscosity	Lubrizol
LUBRIZOL 21-321	11	Alkylated (C4-C9) phenols	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	31/07/03	17/12/06	B	3	High Viscosity	Lubrizol
LUBRIZOL 4982B	11	Zinc alkyl dithiophosphate (C3-C14)	US	AR, AA, BS, B, BR, CA, CN, DK, F, D, HX, I, K, LI, NL, N, PA, RS, SA, E, S, CH, TR, G	08/06/00	17/12/04	B	3	High Viscosity	Lubrizol
OLOA 271	5	Branced and linear alkyl (C10-C30) Phenol and alkyl salicylates, calcium salts	F	RS, PA	11/02/03	17/12/06	B	2	High Viscosity	Chevron
Radiagreen LV	17	Ester of unsaturated long chain fatty acid	B	LI, NL, PA, N, VQ, G, I, CY, GR, J	24/01/02	17/12/05	D	NA		Fina
Radiagreen VLV	17	Ester of unsaturated long chain fatty acid	B	LI, NL, PA, N, VQ, G, I, CY, GR, J	24/01/02	17/12/05	D	NA		Fina

ANNEX 5
LIST OF COUNTRY ABBREVIATIONS

Part 1 - Code Order

Code	Country	Code	Country
A	Austria	CI	Cote d'Ivoire
AA	Australia	CL	Chile
AB	Albania	CN	China
AF	Afghanistan	CO	Colombia
AK	Antigua and Barbuda	CP	Cayman Islands
AN	Angola	CR	Costa Rica
AR	Argentina	CU	Cuba
B	Belgium	CV	Cape Verde
BD	Bostswana	CY	Cyprus
BDI	Burundi	D	Germany
BF	Burkina Faso	DH	Qatar
BG	Bulgaria	DJ	Djibouti
BH	Bosnia and Herzegovina	DK	Denmark
BI	Guinea Bissau	DO	Dominica
BJ	Bangladesh	DR	Dominican Republic
BM	Myanmar	DZ	Algeria
BN	Bahrain	E	Spain
BN	Benin	ED	Ecuador
BR	Brazil	EE	Estonia
BS	Bahamas	EG	Equatorial Guinea
BT	Bhutan	EI	Ireland
BU	Brunei Darussalam	EM	United Arab Emirates
BV	Bolivia	ER	Eritrea
BZ	Belize	ET	Ethiopia
C	Czech Republic	F	France
CA	Canada	FJ	Fiji
CE	Sri Lanka	FL	Liechtenstein
CH	Switzerland	FM	Micronesia (Federated States of)

Code	Country	Code	Country
G	United Kingdom	KI	Kiribati
GA	Grenada	KN	Cameroon
GE	Guinea	KO	Comoros
GH	Ghana	KP	Korea, Democratic People's Republic o
GI	Georgia	KT	Kuwait
GO	Gabon	KZ	Kazakhstan
GR	Greece	LC	Saint Lucia
GU	Guatemala	LE	Lebanon
GV	Gambia	LI	Liberia
GY	Guyana	LO	Lesotho
H	Hungary	LS	Lao People's Democratic Republic
HN	Haiti	LU	Luxembourg
HO	Honduras	LV	Latvia
HQ	Solomon Islands	LY	Libyan Arab Jamahiriya
HX	Hong Kong, China (Associate Member)	M	Morocco
I	Italy	MA	Malaysia
IA	Indonesia	MD	Moldova, Republic of
IK	Iraq	ME	Mexico
IL	Israel	MF	Maldives
IN	India	MG	Madagascar
IR	Iran (Islamic Republic of)	MH	Mongolia
IS	Iceland	MI	Malawi
IW	Mauritius	MJ	Mali
J	Japan	MO	Mozambique
JA	Jamaica	MQ	Mauritania
JO	Jordan	MS	Marshall Islands
K	Korea, Republic of	MW	Malta
KA	Cambodia	N	Norway
KC	Saint Kitts and Nevis	NE	Papua New Guinea
KD	Chad	NG	Nigeria
KE	Kenya	NH	Vanuatu
KG	Congo	NI	Niger
KH	Kyrgyzstan	NK	Nicaragua

Code	Country	Code	Country
NL	Netherlands	SZ	Seychelles
NP	Nepal	TG	Togo
NZ	New Zealand	TH	Thailand
ON	Oman	TJ	Tajikistan
P	Portugal	TM	Turkmenistan
PA	Panama	TN	Tunisia
PE	Peru	TR	Turkey
PH	Philippines	TS	Tonga
PK	Pakistan	TV	Tuvalu
PL	Poland	UG	Uganda
PY	Paraguay	UN	Egypt
R	Romania	US	United States
RC	Central African Republic	UX	Ukraine
RH	Croatia	UY	Uruguay
RS	Singapore	UZ	Uzbekistan, Republic of
RW	Rwanda	VC	Venezuela
S	Sweden	VQ	Saint Vincent and the Grenadines
SA	South Africa	VT	Viet Nam
SB	Samoa	WB	Barbados
SD	Sudan	WD	Swaziland
SF	Finland	WG	Trinidad and Tobago
SG	Senegal	WK	Namibia
SI	Slovenia	YE	Yemen
SJ	Saudi Arabia	YU	Yugoslavia
SK	Slovakia	ZA	Zambia
SL	Sierra Leone	ZR	Congo, Democratic Republic of the
SM	Somalia	ZV	Nauru
SN	Suriname	ZW	Zimbabwe
SO	San Marino		
SR	El Salvador		
ST	Sao Tome et Principe		
SU	Russian Federation		
SY	Syrian Arab Republic		

ANNEX 5
LIST OF COUNTRY ABBREVIATIONS
Part 2 - Country Order

Code	Country	Code	Country
AF	Afghanistan	CP	Cayman Islands
AB	Albania	RC	Central African Republic
DZ	Algeria	KD	Chad
AN	Angola	CL	Chile
AK	Antigua and Barbuda	CN	China
AR	Argentina	CO	Colombia
AA	Australia	KO	Comoros
A	Austria	KG	Congo
BS	Bahamas	ZR	Congo, Democratic Republic of the
BN	Bahrain	CR	Costa Rica
BJ	Bangladesh	CI	Cote d'Ivoire
WB	Barbados	RH	Croatia
B	Belgium	CU	Cuba
BZ	Belize	CY	Cyprus
BN	Benin	C	Czech Republic
BT	Bhutan	DK	Denmark
BV	Bolivia	DJ	Djibouti
BH	Bosnia and Herzegovina	DO	Dominica
BD	Bostswana	DR	Dominican Republic
BR	Brazil	ED	Ecuador
BU	Brunei Darussalam	UN	Egypt
BG	Bulgaria	SR	El Salvador
BF	Burkina Faso	EG	Equatorial Guinea
BDI	Burundi	ER	Eritrea
KA	Cambodia	EE	Estonia
KN	Cameroon	ET	Ethiopia
CA	Canada	FJ	Fiji
CV	Cape Verde	SF	Finland

Code	Country	Code	Country
F	France	KH	Kyrgyzstan
GO	Gabon	LS	Lao People's Democratic Republic
GV	Gambia	LV	Latvia
GI	Georgia	LE	Lebanon
D	Germany	LO	Lesotho
GH	Ghana	LI	Liberia
GR	Greece	LY	Libyan Arab Jamahiriya
GA	Grenada	FL	Liechtenstein
GU	Guatemala	LU	Luxembourg
GE	Guinea	MG	Madagascar
BI	Guinea Bissau	MI	Malawi
GY	Guyana	MA	Malaysia
HN	Haiti	MF	Maldives
HO	Honduras	MJ	Mali
HX	Hong Kong, China (Associate Member)	MW	Malta
H	Hungary	MS	Marshall Islands
IS	Iceland	MQ	Mauritania
IN	India	IW	Mauritius
IA	Indonesia	ME	Mexico
IR	Iran (Islamic Republic of)	FM	Micronesia (Federated States of)
IK	Iraq	MD	Moldova, Republic of
EI	Ireland	MH	Mongolia
IL	Israel	M	Morocco
I	Italy	MO	Mozambique
JA	Jamaica	BM	Myanmar
J	Japan	WK	Namibia
JO	Jordan	ZV	Nauru
KZ	Kazakhstan	NP	Nepal
KE	Kenya	NL	Netherlands
KI	Kiribati	NZ	New Zealand
KP	Korea, Democratic People's Republic of	NK	Nicaragua
K	Korea, Republic of	NI	Niger
KT	Kuwait	NG	Nigeria

Code	Country	Code	Country
N	Norway	SN	Suriname
ON	Oman	WD	Swaziland
PK	Pakistan	S	Sweden
PA	Panama	CH	Switzerland
NE	Papua New Guinea	SY	Syrian Arab Republic
PY	Paraguay	TJ	Tajikistan
PE	Peru	TH	Thailand
PH	Philippines	TG	Togo
PL	Poland	TS	Tonga
P	Portugal	WG	Trinidad and Tobago
DH	Qatar	TN	Tunisia
R	Romania	TR	Turkey
SU	Russian Federation	TM	Turkmenistan
RW	Rwanda	TV	Tuvalu
KC	Saint Kitts and Nevis	UG	Uganda
LC	Saint Lucia	UX	Ukraine
VQ	Saint Vincent and the Grenadines	EM	United Arab Emirates
SB	Samoa	G	United Kingdom
SO	San Marino	US	United States
ST	Sao Tome et Principe	UY	Uruguay
SJ	Saudi Arabia	UZ	Uzbekistan, Republic of
SG	Senegal	NH	Vanuatu
SZ	Seychelles	VC	Venezuela
SL	Sierra Leone	VT	Viet Nam
RS	Singapore	YE	Yemen
SK	Slovakia	YU	Yugoslavia
SI	Slovenia	ZA	Zambia
HQ	Solomon Islands	ZW	Zimbabwe
SM	Somalia		
SA	South Africa		
E	Spain		
CE	Sri Lanka		
SD	Sudan		

ANNEX 6
OIL-LIKE SUBSTANCES

Substance	Pollution Category	Hazard	Ship Type
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C) (bb)	(C)	P	3
Cycloheptane (bb)	(C)	P	3
Cyclohexane (bb)	C	P	3
Cyclopentane (bb)	(C)	P	3
p-Cymene (bb)	C	P	3
Ethylcyclohexane (bb)	(C)	P	3
Heptane (all isomers) (bb)	(C)	P	3
Heptene (all isomers) (bb)	C	P	3
Hexane (all isomers) (bb)	(C)	P	3
Hexene (all isomers) (bb)	(C)	P	3
Isopropylcyclohexane (bb)	(C)	P	3
Methylcyclohexane (bb)	(C)	P	3
Nonane (all isomers) (bb)	(C)	P	3
Octane (all isomers) (bb)	(C)	P	3
Olefin mixtures (C5-C7) (bb)	C	P	3
Pentane (all isomers) (bb)	(C)	P	3
Pentene (all isomers) (bb)	C	P	3

NA means that the product is listed in chapter 18 of the IBC Code

MEPC.2/Circ.9

ANNEX 6

Page 2 of 2

Substance	Pollution Category	Hazard	Ship Type
1-Phenyl-1-xylyl ethane (bb)	C	P	3
Propylene dimer (bb)	(C)	P	3
Tetrahydronaphthalene (bb)	C	P	3
Toluene (bb)	C	P	3
Xylenes (bb)	C	P	3

ANNEX 7
SUBSTANCES NOT SHIPPED IN PURE FORM BUT
AS COMPONENTS IN MIXTURES

Substance	Pollution Category	Hazard	Ship Type
Borax	D		NA
Chlorinated paraffins (C18+) with any level of chlorine	D		NA
Diphenylol propane	[B]		[3]
Methylene bridged isobutenylated phenols	(B)	P	(3)
Nalco 5740S Antifoam	[B]		[3]
Polyether, borated	B	P	3
Poly (17+) olefin amine	C	P	3
Sodium nitrate	III		NA
Sodium nitrite (solid)	B		3
Tolyl triazole	[C]		[3]

NA means that the product is listed in chapter 18 of the IBC Code

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MEPC.2/Circ.9

ANNEX 8

Page 4 of 7

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Virginia 22091
United States of America

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REPUBLIC OF KOREA

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Maritime Safety Management Office
Ministry of Maritime Affairs and Fisheries
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Prefectura Nacional Naval
Dirección Registral y de Marina Mercante
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ANNEX 9

**LIST OF MANUFACTURERS AUTHORIZED TO CONDUCT
POLLUTANT-ONLY ASSESSMENTS BY CALCULATION**

Belgium

Mrs. P.S. Murray
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Building 301
Cheshire Innovation Park
PO Box 1
Chester CH1 3SH

France

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PO Box 1
Chester CH1 3SH

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Degussa-Huls AG
Weissfrauenstr. 9
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The Netherlands

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PO Box 1
Chester CH1 3SH

United Kingdom

Mrs. P.S. Murray
Shell Chemicals U.K
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PO Box 1
Chester CH1 3SH

Dr. A.G. Holton
Exxon Chemicals Ltd
4600 Parkway
Fareham
Hampshire
PO15 7AP

ANNEX 10
LUBE-OIL ADDITIVES

Substance	Pollution Category	Hazard	Ship Type
Alkaryl polyethers (C9-C20)	B	P	3
Alkenyl (C11+) amide	D		NA
Alkyl(C8+)amine, Alkenyl (C12+) acid ester mixture	D		NA
Alkyl (C11-C17) benzene sulphonic acid	B	S/P	3
Alkylbenzene sulphonic acid, sodium salt solution	C	P	3
Alkyldithiothiadiazole (C6-C24)	D		NA
Alkyl (C8-C40) phenol sulphide	D		NA
Alkyl (C8-C9) phenylamine in aromatic solvents	A	P	3
Alkyl(C10-C20, saturated and unsaturated) phosphite	C	P	3
Aryl polyolefins (C11-C50)	D		NA
Boric acid	D		NA
Calcium alkyl (C9) phenol sulphide/Polyolefin phosphorosulphide mixture	A	P	2
Calcium long-chain alkaryl sulphonate (C11-C50)	D		NA
Calcium long-chain alkyl(C5-C10) phenate	C	P	3
Calcium long-chain alkyl(C11-C40) phenate	D		NA
Calcium long-chain alkyl phenate sulphide (C8-C40)	D		NA
Calcium long-chain alkyl phenolic amine (C8-C40)	III		NA

NA means that the product is listed in chapter 18 of the IBC Code

Substance	Pollution Category	Hazard	Ship Type
Calcium long-chain alkyl salicylate (C13+)	C	P	3
Chlorinated paraffins (C18+) with any level of chlorine	D		NA
Dialkyl (C8-C9) diphenylamines	D		NA
Dibutyl hydrogen phosphonate	B	P	3
Diphenylamine, reaction product with 2,2,4-Trimethylpentene	(A)	S/P	1
Diphenylamines, alkylated	A	P	2
Dodecyl hydroxypropyl sulphide	A	P	1
Glycerol monooleate	D		NA
Long-chain alkaryl polyether (C11-C20)	C	P	3
Long-chain alkaryl sulphonic acid (C16-C60)	D		NA
Long-chain alkylphenate/Phenol sulphide mixture	III		NA
Magnesium long-chain alkaryl sulphonate (C11-C50)	D		NA
Magnesium long-chain alkyl salicylate (C11+)	C	P	3
Olefin-Alkyl ester copolymer (molecular weight 2000+)	D		NA
Oleylamine	A	S/P	2
Phosphate esters, alkyl (C12-C14) amine	B	P	3
Polyalkyl (C10-C20) methacrylate	D		NA
Polyether (molecular weight 2000+)	D		NA
Polyether, borated	B	P	3
Polyisobutenyl anhydride adduct	III		NA

NA means that the product is listed in chapter 18 of the IBC Code

Substance	Pollution Category	Hazard	Ship Type
Polyolefin (molecular weight 300+)	III		NA
Polyolefin amide alkeneamine borate (C28-C250)	D		NA
Polyolefin amide alkeneamine polyol	D		NA
Polyolefinamine (C28-C250)	C	P	3
Polyolefinamine in alkyl (C2-C4) benzenes	(C)	P	3
Polyolefin aminoester salts (mw 2000+)	D		NA
Polyolefin anhydride	D		NA
Polyolefin ester (C28-C250)	D		NA
Polyolefin phenolic amine (C28-C250)	D		NA
Polyolefin phosphorosulphide, barium derivative (C28-C250)	C	P	3
Sulphohydrocarbon (C3-C88)	D		NA
Sulpho hydrocarbon long chain (C18+) alkylamine mixture	B	P	3
Sulphurized fat (C14-C20)	D		NA
Sulphurized polyolefinamide alkene (C28-C250) amine	D		NA
Tall oil fatty acid, barium salt	B	S/P	3
Zinc alkaryl dithiophosphate (C7-C16)	(C)	P	3
Zinc alkyl dithiophosphate (C3-C14)	B	P	3

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 11
HYDROCARBON FAMILIES IN THE IBC CODE

Substance	Pollution Category	Hazard	Ship Type
Alkanes (C6-C9)	(C)	P	3
Iso- and cyclo-alkanes (C10-C11)	D		NA
Iso- and cyclo-alkanes (C12+)	III		NA
n-Alkanes (C10+)	III		NA
Alkyl (C3-C4) benzenes	A	P	3
Alkyl (C5-C8) benzenes	A	P	2
Alkyl(C9+)benzenes	III		NA
Poly(2+)cyclic aromatics	A	P	2

NA means that the product is listed in chapter 18 of the IBC Code

ANNEX 12

**CLEANING ADDITIVE EVALUATED AND FOUND TO MEET
THE REQUIREMENTS OF PARAGRAPH 1.8.2 OF THE P&A STANDARDS**

Manufacturer	Name of Cleaning Additive
A/S E. Brosstad	MARCLEAN CO - 1
	MARCLEAN M3
	MASTER - RENS
	MARCLEAN
AQUAMARINE Chemicals	Aluminium Cleaner
	Tank Cleaner H.D.
	Aquawash
	H.D. Cleaner
	H.D. Strong Alkaline Cleaner
	Rust Remover
	Alkaline Cleaner
	Microclean
Ashland Chemical	ENVIROCARE 720
Ashland Chemical Comp. (Drew Ameroid Marine Division)	ENVIROCARE 120 Cleaner Dispersant
	ENVIROCARE 370
	ENVIROCARE 440 Tank Cleaner
	ENVIROCARE 480 Tank Cleaner
	ENVIROCARE™ □□□□□□□□□□C□□□□□
	ENVIROCARE 500
	ENVIROCARE 550
	ENVIROCARE 770
	ENVIROCARE 700
	ENVIROCARE 110
	ENVIROCARE 900
	ENVIROMATE□ □□□□□□□□□□□□□□□□C□□□□□
	ENVIROCARE 920
	ENVIROCARE 880 Heavy Duty Cleaner
	ENVIROCARE 570
	ENVIROCARE 960
	Ameroid Rust Stain Remover
Beauty Co. LTD.	Coco Clean
CHEMTEC Consulting GmbH	CTC - Cleaner - VLC
Corpex Technologies	KIRASOL 317
	KIRASOL - 340
	KIRASOL - 360
	KIRASOL 361

Manufacturer	Name of Cleaning Additive
Corpex Technologies	KIRASOL 370 KIRASOL 371
Drew Ameroid	EDGE LAC Liquid Alkaline Cleaner
Ellis & Everard	NALFLEET 010 - Oil Spill Concentrate NALFLEET 9088
Enviro-Tech Specialities	Waterbased Alka Kleen / LAC / #5 Alka Kleen SAF S-C / #3 HCF Neutral Kleen Latex Remover Metal Brightener / S-D / #4 Liquid Alkaline Kleen / LAC / S-LAC / #5 Sodium Perborate Pickling Kleen L Passivation Kleen L Rust Kleen Enviro Chlor / #7 Acrylate Kleen Owl #8 / Buffer Clean Owl #8 / Buffer Clean / Inhibitor Cleaner Owl #10 / Acrylate Cleaner Citri Kleen WB Coal Tar Clean Waterbased Alkaline / B-3 Enviro Kleen Safe Owl #12 / Teepol Enviro Kleen Blue
Environmental Scientific Inc.	KIRASOL - 340
Envirotec	Envirosorb 2
Fuji Coral Co. LTD.	US Clean Fujicoral III TOPIC 21
Henkel	P3-X P3 - GRATO 80 Marine P3 - NA Marine P3 - GRATO 60 Marine P3 - GRATO 50 Marine P3 - GRATO STLS Marine P3 - GRATO 14 Marine P3 - FD Marine P3 - T 1166 Marine P3 - GRATO SOL

Manufacturer	Name of Cleaning Additive
Henkel	P3-A
Kao Corp.	HAIZEN S-100
	FAMILY FRESH
Kurita Water Industries LTD.	KURIPAL PK-100
	KURIPAL PK-842
Lion Corp.	LIPOMIX M
Loctite Japan	LOCTITE Fragrance Free Natural Blue
	LOCTITE Natural Blue
MARICHEM MARIGASES Worldwide	Alkactive Liquids
	General Cleaning & Solvent
	Rust Shield Phos
	Rust Remover
	Bilge Cleaner
	Alka Kleen HD
	Tank Cleaner
Marine Care	Careclean Neutral HCF
	Careclean GP
	Careclean Hydro Carbon Free
	Careclean HD
	Careclean Voyage
	Careclean Rust
	Careclean Passivating Liquid
	Careclean Buffer
	Careclean Pickling Liquid
	Careclean Aquawash
	Careclean Alkaline Extra
	Careclean Alkaline
	Careclean HD Split
	Careclean Airfresh
	Careclean Chlor
	Careclean Degreaser GP
Maritech Marine Technologies AB	MARISOL HD, Heavy duty cleaner
	MARISOL SR, Soot remover
	MARISOL AC, Air cooler cleaner
	MARISOL Rw+, Rust wash, strengthened
	MARISOL RC, Reefer cleaner
	MARISOL PC, Pipe cleaner
	MARISOL MB, Metal brightener
	MARISOL LC, Liquid alkaline cleaner
	MARISOL GD, General cleaner & degreaser
	MARISOL FC, Fuel oil separator circ. cleaner
	MARISOL DC, Separator disc cleaner

Manufacturer

Maritech Marine Technologies AB

MASTEC Co. LTD.

NALFLEET Marine Chemicals

NEOS Company Ltd.

Nihon Kosan Co. Ltd.

Nippon Yuka Kogyo Co. LTD.

Name of Cleaning Additive

MARISOL CR, Carbon remover

MARISOL CD, Cleaner & degreaser

MARISOL AP, All purpose cleaner

MARISOL LR, Limestone remover

MAC AC-H

MAC SAFETY ALKID

MAC PRIME

MAC HD

MAC HC-100

MAC HC10

MAC DUAL CLEAN

MAC SUSBRIGHT

MAC AC-N

MAC AC-F

MAC ALKID

79110 "Sea Shield" Multiclean

79107 "Sea Shield" Disc/Filter Clean

NALFLEET 79112 "Sea Shield" Metal Brightener

79116 "Sea Shield" Safe Acid Powder

TANK ALKLEEN

Alkaline Cleaner

NALFLEET Electroclean

NALFLEET 79102 "Sea Shield" Oil Dispersant

NALFLEET 79103 "Sea Shield" Clearbreak

NALFLEET 79115 "Sea Shield" Degreaser

NALFLEET 79109 "Sea Shield" Tank Alklean

NALFLEET 79104 "Sea Shield" Heavy Duty Cleaner

NALFLEET Rust Remover & Metal Brightener (9-061)

NALFLEET Safe Acid Powder

NALFLEET 79105 "Sea Shield" Alkaline Cleaner

NALFLEET 79118 "Sea Shield" Detergent Cleaner

NEOS FD-7

NEOS FD-20

NEOS ONE 2

NEOS REGLIGHY M-ONE 2S (Water soluble)

NEOS FD-1

NICOL Clean 80

NICOL Clean

YUNISOL SS

HI - NOC

YUNISOL AC

YUNISOL SH

Manufacturer	Name of Cleaning Additive
Performance Chemicals Ltd.	Quickbreak
	Alkleen Buffered
Schmitt u. Fintelmann (INLABCO)	Watensol
Settsu Oil Mill LTD.	Diver Clean
	Settsu Clean
	Metalon M
	TS -1
Seven Rivers Co. LTD.	GOAL L-3
Shell Chemicals	Shell Universal-Reiniger A 151
SNOWCLEAN AB	MarClean HD
	MarClean Std
TAIHO Industries Comp. LTD.	KURICLEAN #11
	KURICLEAN 10P
	KURICLEAN No.100
	KURICLEAN No.1000
	KURICLEAN 10
	KURICLEAN #12
Teepol LTD.	Super Teepol
	Teepol Eight
	Teepol Green
	Teepol Green S
	C Clean
	New Teepol
Tesco Co. LTD.	Toho Cactus Clean L-10A
	Toho Cactus Clean H-2
	Toho Cactus Clean FC
	Toho Cactus Clean W1
Tevan	Vetvrij
UNISERVE Americas Inc.	Uniclean Carbon
	Alkaclean Safety
	Uniclean HD
	Alkaclean
	Uniclean AP Enviro
	Air Cooler Cleaner
	EcoClean
	MARISOL
	Uniclean Tank
	Uniclean GP
	Genepol
	Seaclean
	Uniclean Break
	Uniclean OSD Enviro

Manufacturer

Name of Cleaning Additive

UNISERVE Americas Inc.

Cold Wash
Hydrocarbon Remover
Rust Remover
Rust Off
Uniclean AP Powder
Bleach Substitute

UNITOR Chemicals

Uniwash
Unitor Amwash
Cleanbreak
HP Wash
AQUA TUFF
Alkleen Liquid
Fore & Aft
Alkleen Safety Liquid
Zinc Coat Conditioner

Van Beek Ecoproducts B.V.

Aquabreak PX
Enviroclean
TANKLEEN Plus
Aquaquick 2000
Aquaquick 2000 SP
Waterbased Neutral HCF/B-4
Waterbased Alkaline / B-3
Waterbased Alkaline HD / Steamclean B-2 Liquid

VECOM

Veclean Blue / Blauw
Vecosan Rustcleaner
Vecofloc
Vecochlor
Veclean Tank
Veclean Electro
Veclean Clear Break
Bufferclean
Product Formula No. 8/11 (Lead Remover / Inhibitor Killer)
Neutral Vegoil Cleaner #3
Passivating Liquid / L-800
Multi Cleaner / TP-02
Pickling Liquid / L-600
Pickling Spray
Product Formula No. 2 (Degreaser HD)
Product Formula No. 3 (Edible Oil Remover)
Lead Cleaner #8
Product Formula No. 4 (Metal Brightner)
Product Formula No. 5 (Caustic Alkaline Cleaner)

Manufacturer

VECOM

Name of Cleaning Additive

Product Formula No. 7 (Dye out)
Caustic Alkaline Cleaner (LAC) #5
Product Formula No. 10 (Acrylate neutralizer)
S-X (Acrylate neutralizer)
Degreaser GP / B-24-B
Degreaser Super #2
ECS Quick Dry
Product Formula No. 6 (Hydrocarbon Remover)
Tankclean at Sea
Product Formula No. 12 (Liquid soap)
Steamclean HPC-NF
S-LAC (Caustic Alkaline Cleaner)
S-HCF (Hydrocarbon Remover)
S-E (Liquid caustic soda)
S-D (Metal Brightner)
S-C (Edible Oil Remover)
S-B (Degreaser HD)
Tankclean HCF
Slaytex
Paratrooper
MOD Quick Break Degreaser
Nalfloc Alkats Cleaner 65 (NALC 65)
Nalfloc Alkats Cleaner 65 (NALD 65)
Nalfloc Maxiclean 2

Wash Specialties, Inc.

Yule Catto Consumer Chemicals