



MARINE ENVIRONMENT PROTECTION
COMMITTEE
55th session
Agenda item 23

MEPC 55/23/Add.1
19 October 2006
Original: ENGLISH

**REPORT OF THE MARINE ENVIRONMENT PROTECTION COMMITTEE
ON ITS FIFTY-FIFTH SESSION**

Attached is annex 28 to the report of the Marine Environment Protection Committee on its fifty-fifth session (MEPC 55/23).

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ANNEX 28

**CONSOLIDATED TEXT OF THE DRAFT AMENDMENTS TO
CHAPTERS 17, 18 AND 19 OF THE IBC CODE**

The existing text of chapters 17, 18 and 19 of the IBC Code is replaced by the following:

Chapter 17

Summary of minimum requirements

Mixtures of noxious liquid substances presenting pollution hazards only, and which are assessed or provisionally assessed under regulation 6.3 of MARPOL Annex II, may be carried under the requirements of the Code applicable to the appropriate position of the entry in this chapter for Noxious Liquid Substances, not otherwise specified (n.o.s.).

EXPLANATORY NOTES

Product name (column a)	The product name shall be used in the shipping document for any cargo offered for bulk shipments. Any additional name may be included in brackets after the product name. In some cases, the product names are not identical with the names given in previous issues of the Code.
UN Number (column b)	Deleted
Pollution Category (column c)	The letter X, Y, Z means the Pollution Category assigned to each product under MARPOL Annex II
Hazards (column d)	“S” means that the product is included in the Code because of its safety hazards; “P” means that the product is included in the Code because of its pollution hazards; and “S/P” means that the product is included in the Code because of both its safety and pollution hazards.
Ship type (column e)	1: ship type 1 (2.1.2.1) 2: ship type 2 (2.1.2.2) 3: ship type 3 (2.1.2.3)
Tank type (column f)	1: independent tank (4.1.1) 2: integral tank (4.1.2) G: gravity tank (4.1.3) P: pressure tank (4.1.4)
Tank vents (column g)	Cont.: controlled venting Open: open venting
Tank environmental control (column h)	Inert: inerting (9.1.2.1) Pad: liquid or gas padding (9.1.2.2) Dry: drying (9.1.2.3) Vent: natural or forced ventilation (9.1.2.4) No: no special requirements under this Code

Electrical equipment (column i)	<p>Temperature classes (i[']) T1 to T6 - indicates no requirements blank no information</p> <p>Apparatus group (i^{''}) IIA, IIB or IIC: - indicates no requirements blank no information</p> <p>Flash point (i^{'''}) Yes: flashpoint exceeding 60°C (10.1.6) No: flashpoint not exceeding 60°C (10.1.6) NF: nonflammable product (10.1.6)</p>
Gauging (column j)	<p>O: open gauging (13.1.1.1) R: restricted gauging (13.1.1.2) C: closed gauging (13.1.1.3)</p>
Vapour detection (column k)	<p>F: flammable vapours T: toxic vapours No: indicates no special requirements under this Code</p>
Fire protection (column l)	<p>A: alcohol-resistant foam or multi-purpose foam B: regular foam; encompasses all foams that are not of an alcohol-resistant type, including fluoro-protein and aqueous-film-forming foam (AFFF) C: water-spray D: dry chemical No: no special requirements under this Code</p>
Materials of construction (column m)	Deleted
Emergency equipment (column n)	<p>Yes: see 14.3.1 No: no special requirements under this Code</p>
Specific and operational requirements (column o)	When specific reference is made to chapters 15 and/or 16, these requirements shall be additional to the requirements in any other column

Note: the following pages are not numbered as they are database generated.

Chapter 17

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Acetic acid	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9
Acetic anhydride	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
Acetochlor	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Acetone cyanohydrin	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	Yes	15.12, 15.13, 15.17, 15.18, 15.19, 16.6.1, 16.6.2, 16.6.3
Acetonitrile	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.12, 15.19.6
Acetonitrile (Low purity grade)	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F-T	AC	No	15.12.3, 15.12.4, 15.19.6
Acid oil mixture from soyabean, corn (maize) and sunflower oil refining	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Acrylamide solution (50% or less)	Y	S/P	2	2G	Open	No			NF	C	No	No	No	15.12.3, 15.13, 15.19.6, 16.6.1, 16.2.9
Acrylic acid	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.13, 15.17, 15.19, 16.6.1, 16.2.9
Acrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19
Acrylonitrile-Styrene copolymer dispersion in polyether polyol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Adiponitrile	Z	S/P	3	2G	Cont	No		IIB	Yes	R	T	A	No	16.2.9
Alachlor technical (90% or more)	X	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Alcohol (C9-C11) poly (2.5-9) ethoxylate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Alcohol (C6-C17) (secondary) poly(3-6)ethoxylates	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Alcohol (C6-C17) (secondary) poly(7-12)ethoxylates	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Alcohol (C12-C16) poly(1-6)ethoxylates	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Alcohol (C12-C16) poly(20+)ethoxylates	Y	P	3	2G	Open	No			Yes	O	No	A	No	16.2.9, 15.19.6
Alcohol (C12-C16) poly(7-19)ethoxylates	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Alcohols (C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Alcohols (C8-C11), primary, linear and essentially linear	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.2.4, 15.19.6, 16.2.6, 16.2.9
Alcohols (C12-C13), primary, linear and essentially linear	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Alcohols (C14-C18), primary, linear and essentially linear	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Alkanes (C6-C9)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6

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a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Iso- and cyclo-alkanes (C10-C11)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
Iso- and cyclo-alkanes (C12+)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	
n-Alkanes (C10+)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
Alkaryl polyethers (C9-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Alkenyl (C11+) amide	X	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Alkenyl (C16-C20) succinic anhydride	Z	S/P	3	2G	Cont	No			Yes	C	T	No	Yes	15.12, 15.17, 15.19
Alkyl acrylate-vinylpyridine copolymer in toluene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	X	S/P	1	2G	Cont	No	T1	IIA	Yes	C	T	ABC	No	15.12, 15.17, 15.19
Alkylated (C4-C9) hindered phenols	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	BD	No	15.19.6, 16.2.6, 16.2.9
Alkylbenzene, alkylindane, alkylindene mixture (each C12-C17)	Z	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Alkyl benzene distillation bottoms	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Alkylbenzene mixtures (containing at least 50% of toluene)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	ABC	No	15.12, 15.17, 15.19.6
Alkyl (C3-C4) benzenes	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Alkyl (C5-C8) benzenes	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Alkyl(C9+)benzenes	Y	P	3	2G	Open	No	-	-	Yes	O	No	AB	No	
Alkyl (C11-C17) benzene sulphonic acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Alkylbenzene sulphonic acid, sodium salt solution	Y	S/P	2	2G	Open	No	-	-	NF	O	No	No	No	16.2.9, 15.19.6, 16.2.6
Alkyl (C12+) dimethylamine	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.12, 15.17, 15.19
Alkyl dithiocarbamate (C19-C35)	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Alkyldithiothiadiazole (C6-C24)	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Alkyl ester copolymer (C4-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)	Y	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)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.6, 16.2.9
Alkyl (C7-C9) nitrates	Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 15.20, 16.6.1, 16.6.2, 16.6.3
Alkyl(C7-C11)phenol poly(4-12) ethoxylate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Alkyl (C8-C40) phenol sulphide	Z	P	3	2G	Open	No			Yes	O	No	AB	No	

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Alkyl (C8-C9) phenylamine in aromatic solvents	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Alkyl (C9-C15) phenyl propoxylate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.9, 16.2.6
Alkyl (C12-C14) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9
Alkyl (C8-C10) polyglucoside solution (65% or less).	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.6
Alkyl(C10-C20, saturated and unsaturated) phosphite	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
Alkyl sulphonic acid ester of phenol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Allyl alcohol	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F-T	A	Yes	15.12, 15.17, 15.19
Allyl chloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12, 15.17, 15.19
Aluminium sulphate solution	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
2-(2-Aminoethoxy) ethanol	Z	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6
Aminoethyldiethanolamine/Aminoethylethanolamine solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Aminoethyl ethanolamine	Z	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	
N-Aminoethylpiperazine	Z	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
2-Amino-2-methyl-1-propanol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ammonia aqueous (28% or less)	Y	S/P	2	2G	Cont	No			NF	R	T	ABC	Yes	15.19.6
Ammonium hydrogen phosphate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ammonium lignosulphonate solutions	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Ammonium nitrate solution (93% or less)	Z	S/P	2	1G	Open	No			NF	O	No	No	No	15.2, 15.11.4, 15.11.6, 15.18, 15.19.6, 16.2.9
Ammonium polyphosphate solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Ammonium sulphate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ammonium sulphide solution (45% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
Ammonium thiosulphate solution (60% or less)	Z	P	3	2G	Open	No			NF	O	No	No	No	16.2.9
Amyl acetate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
n-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Amyl alcohol, primary	Z	P	3	2G	Cont	No			No	R	F	AB	No	
sec-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
tert-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	

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a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
tert-Amyl methyl ether	X	P	2	2G	Cont	No	T3		No	R	F	A	No	15.19.6
Aniline	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.17, 15.19
Aryl polyolefins (C11-C50)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C)	X	P	2	2G	Cont	No			No	R	F	B	No	15.19.6
Barium long chain (C11-C50) alkaryl sulphonate	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.12.3, 15.19, 16.2.6, 16.2.9
Benzene and mixtures having 10% benzene or more (i)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	AB	No	15.12.1, 15.17, 15.19.6, 16.2.9
Benzene sulphonyl chloride	Z	S/P	3	2G	Cont	No			Yes	R	T	AD	No	15.19.6, 16.2.9
Benzenetricarboxylic acid, trioctyl ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Benzyl acetate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Benzyl alcohol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Benzyl chloride	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AB	Yes	15.12, 15.13, 15.17, 15.19
Brake fluid base mix: Poly(2-8)alkylene (C2-C3) glycols/Polyalkylene (C2-C10) glycols monoalkyl (C1-C4) ethers and their borate esters	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Bromochloromethane	Z	S/P	3	2G	Cont	No			NF	R	T	No	No	
Butene oligomer	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Butyl acetate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl acrylate (all isomers)	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
tert-Butyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Butylamine (all isomers)	Y	S/P	2	2G	Cont	No			No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
Butylbenzene (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl benzyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Butyl butyrate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl/Decyl/Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Cont	No			Yes	R	No	AD	No	15.13, 16.6.1, 16.6.2, 15.19.6
Butylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
1,2-Butylene oxide	Y	S/P	3	2G	Cont	Inert	T2	IIB	No	R	F	AC	No	15.8.1 to 15.8.7, 15.8.12, 15.8.13, 15.8.16, 15.8.17, 15.8.18, 15.8.19, 15.8.21, 15.8.25, 15.8.27, 15.8.29, 15.19.6
n-Butyl ether	Y	S/P	3	2G	Cont	Inert	T4	IIB	No	R	F-T	A	No	15.4.6, 15.12, 15.19.6
Butyl methacrylate	Z	S/P	3	2G	Cont	No		IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2

Chapter 17

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n-Butyl propionate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Butyraldehyde (all isomers)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	A	No	15.19.6
Butyric acid	Y	S/P	3	2G	Cont	No			Yes	R	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
gamma-Butyrolactone	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
Calcium carbonate slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Calcium hydroxide slurry	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Calcium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No			NF	R	No	No	No	15.19.6
Calcium hypochlorite solution (more than 15%)	X	S/P	1	2G	Cont	No			NF	R	No	No	No	15.19, 16.2.9
Calcium lignosulphonate solutions	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Calcium long-chain alkaryl sulphonate (C11-C50)	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Calcium long-chain alkyl(C5-C10) phenate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Calcium long-chain alkyl(C11-C40) phenate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Calcium long-chain alkyl phenate sulphide (C8-C40)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Calcium long-chain alkyl salicylate (C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Calcium nitrate/Magnesium nitrate/Potassium chloride solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
epsilon-Caprolactam (molten or aqueous solutions)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Carbolic oil	Y	S/P	2	2G	Cont	No			Yes	C	F-T	A	No	15.12, 15.19.6, 16.2.9
Carbon disulphide	Y	S/P	2	1G	Cont	Pad+inert	T6	IIC	No	C	F-T	C	Yes	15.3, 15.12, 15.19
Carbon tetrachloride	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19.6
Cashew nut shell oil (untreated)	Y	S	2	2G	Cont	No			Yes	R	T	AB	No	15.19.6, 16.2.6, 16.2.9
Castor oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.9.6, 16.2.6, 16.2.9
Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.2.9
Chlorinated paraffins (C10-C13)	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
Chlorinated paraffins (C14-C17) (with 50% chlorine or more, and less than 1% C13 or shorter chains)	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.19
Chloroacetic acid (80% or less)	Y	S/P	2	2G	Cont	No			NF	C	No	No	No	15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.19, 16.2.9
Chlorobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.19.6

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a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Chloroform	Y	S/P	3	2G	Cont	No			NF	R	T	No	Yes	15.12, 15.19.6
Chlorohydrins (crude)	Y	S/P	2	2G	Cont	No		IIA	No	C	F-T	A	No	15.12, 15.19
4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt solution	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6,16.2.9
o-Chloronitrobenzene	Y	S/P	2	2G	Cont	No			Yes	C	T	ABD	No	15.12, 15.17, 15.18, 15.19, 16.2.6, 16.2.9
1-(4-Chlorophenyl)-4,4- dimethyl-pentan-3-one	Y	P	2	2G	Open	No			Yes	O	No	ABD	No	15.19.6, 16.2.6, 16.2.9
2- or 3-Chloropropionic acid	Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 16.2.9
Chlorosulphonic acid	Y	S/P	1	2G	Cont	No			NF	C	T	No	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.5, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.16.2, 15.19
m-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
o-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
p-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6, 16.2.9
Chlorotoluenes (mixed isomers)	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
Choline chloride solutions	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Citric acid (70% or less)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Coal tar	X	S/P	2	2G	Cont	No	T2	IIA	Yes	R	No	BD	No	15.19.6, 16.2.6, 16.2.9
Coal tar naphtha solvent	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F-T	AD	No	15.19.6, 16.2.9
Coal tar pitch (molten)	X	S/P	2	1G	Cont	No	T2	IIA	Yes	R	No	BD	No	15.19.6, 16.2.6, 16.2.9
Cocoa butter	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Coconut oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Coconut oil fatty acid	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Coconut oil fatty acid methyl ester	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Copper salt of long chain (C17+) alkanolic acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Corn Oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Cotton seed oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Creosote (coal tar)	X	S/P	2	2G	Cont	No	T2	IIA	Yes	R	T	AD	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Cresols (all isomers)	Y	S/P	2	2G	Open	No	T1	IIA	Yes	O	No	AB	No	15.19.6, 16.2.9
Cresylic acid, dephenolized	Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Cresylic acid, sodium salt solution	Y	S/P	2	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9

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a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Crotonaldehyde	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
1,5,9-Cyclododecatriene	X	S/P	1	2G	Cont	No			Yes	R	T	A	No	15.13, 15.19, 16.6.1, 16.6.2
Cycloheptane	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Cyclohexanol	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Cyclohexanone	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
Cyclohexanone, Cyclohexanol mixture	Y	S/P	3	2G	Cont	No			Yes	R	F-T	A	No	15.19.6
Cyclohexyl acetate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclohexylamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AC	No	15.19.6
1,3-Cyclopentadiene dimer (molten)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Cyclopentane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclopentene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
p-Cymene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Decahydronaphthalene	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
Decanoic acid	X	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
Decene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Decyl acrylate	X	S/P	1	2G	Open	No	T3	IIA	Yes	O	No	ACD	No	15.13, 15.19, 16.6.1, 16.6.2
Decyl alcohol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9(e)
Decyloxytetrahydrothiophene dioxide	X	S/P	2	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
Diacetone alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Dialkyl (C8-C9) diphenylamines	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Dialkyl (C7-C13) phthalates	X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Dibromomethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.19
Dibutylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	ACD	No	15.19.6
Dibutyl hydrogen phosphonate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
2,6-Di-tert-butylphenol	X	P	1	2G	Open	No	-	-	Yes	O	No	ABCD	No	15.19, 16.2.9
Dibutyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dichlorobenzene (all isomers)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	T	ABD	No	15.19.6

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3,4-Dichloro-1-butene	Y	S/P	2	2G	Cont	No			No	C	F-T	ABC	Yes	15.12.3, 15.17, 15.19.6
1,1-Dichloroethane	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.19.6
Dichloroethyl ether	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
1,6-Dichlorohexane	Y	S/P	2	2G	Cont	No			No	R	T	AB	No	15.19.6
2,2'-Dichloroisopropyl ether	Y	S/P	2	2G	Cont	No			Yes	R	T	ACD	No	15.12, 15.17, 15.19
Dichloromethane	Y	S/P	3	2G	Cont	No	T1	IIA	Yes	R	T	No	No	15.19.6
2,4-Dichlorophenol	Y	S/P	2	2G	Cont	Dry			Yes	R	T	A	No	15.19.6, 16.2.6, 16.2.9
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
1,1-Dichloropropane	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.12, 15.19.6
1,2-Dichloropropane	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.12, 15.19.6
1,3-Dichloropropene	X	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AB	Yes	15.12, 15.17, 15.18, 15.19
Dichloropropene/Dichloropropane mixtures	X	S/P	2	2G	Cont	No			No	C	F-T	ABD	Yes	15.12, 15.17, 15.18, 15.19
2,2-Dichloropropionic acid	Y	S/P	3	2G	Cont	Dry			Yes	R	No	A	No	15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9
Diethanolamine	Y	S/P	3	2G	Open	No	T1	IIA	Yes	O	No	A	No	16.2.6, 16.2.9
Diethylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.12, 15.19.6
Diethylaminoethanol	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	No	15.19.6
2,6-Diethylaniline	Y	S/P	3	2G	Open	No			Yes	O	No	BCD	No	15.19.6, 16.2.9
Diethylbenzene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Diethylene glycol dibutyl ether	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Diethylene glycol diethyl ether	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Diethylene glycol phthalate	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Diethylenetriamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	15.19.6
Diethylenetriaminepentaacetic acid, pentasodium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Diethyl ether	Z	S/P	2	1G	Cont	Inert	T4	IIB	No	C	F-T	A	Yes	15.4, 15.14, 15.19
Di-(2-ethylhexyl) adipate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6

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a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Di-(2-ethylhexyl) phosphoric acid	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.19.6
Diethyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Diethyl sulphate	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.19.6
Diglycidyl ether of bisphenol A	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Diglycidyl ether of bisphenol F	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Diheptyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Di-n-hexyl adipate	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19
Dihexyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Diisobutylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	ACD	No	15.12.3, 15.19.6
Diisobutylene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Diisobutyl ketone	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Diisobutyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Diisononyl adipate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Diisooctyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Diisopropanolamine	Z	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	16.2.9
Diisopropylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12, 15.19
Diisopropylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Diisopropyl-naphthalene	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
N,N-Dimethylacetamide	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ACD	No	15.12, 15.17
N,N-Dimethylacetamide solution (40% or less)	Z	S/P	3	2G	Cont	No			Yes	R	T	B	No	15.12.1, 15.17
Dimethyl adipate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Dimethylamine solution (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	ACD	No	15.12, 15.19.6
Dimethylamine solution (greater than 45% but not greater than 55%)	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.17, 15.19
Dimethylamine solution (greater than 55% but not greater than 65%)	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.14, 15.17, 15.19
N,N-Dimethylcyclohexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.12, 15.17, 15.19.6
Dimethyl disulphide	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	B	No	15.12.3, 15.12.4, 15.19.6
N,N-Dimethyldodecylamine	X	S/P	1	2G	Open	No			Yes	O	No	B	No	15.19
Dimethylethanolamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AD	No	15.19.6

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Dimethylformamide	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.19.6
Dimethyl glutarate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Dimethyl hydrogen phosphite	Y	S/P	3	2G	Cont	No			Yes	R	T	AD	No	15.12.1, 15.19.6
Dimethyl octanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Dimethyl phthalate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Dimethylpolysiloxane	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
2,2-Dimethylpropane-1,3-diol (molten or solution)	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Dimethyl succinate	Y	P	3	2G	Open	No			Yes	O	No	A	No	16.2.9
Dinitrotoluene (molten)	X	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.17, 15.19, 15.21, 16.2.6, 16.2.9, 16.6.4
Dinonyl phthalate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Diocetyl phthalate	X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
1,4-Dioxane	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F-T	A	No	15.12, 15.19, 16.2.9
Dipentene	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Diphenyl	X	P	2	2G	Open	No			Yes	O	No	B	No	15.19.6, 16.2.6, 16.2.9
Diphenylamine (molten)	Y	P	2	2G	Open	No	-	-	Yes	O	No	BD	No	15.19.6, 16.2.6, 16.2.9
Diphenylamine, reaction product with 2,2,4-Trimethylpentene	Y	S/P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
Diphenylamines, alkylated	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Diphenyl/Diphenyl ether mixtures	X	P	2	2G	Open	No			Yes	O	No	B	No	15.19.6, 16.2.9
Diphenyl ether	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Diphenyl ether/Diphenyl phenyl ether mixture	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Diphenylmethane diisocyanate	Y	S/P	2	2G	Cont	Dry	-	-	Yes(a)	C	T(a)	ABC(b)D	No	15.12, 15.16.2, 15.17, 15.19.6, 16.2.6, 16.2.9
Diphenylol propane-epichlorohydrin resins	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Di-n-propylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.12.3, 15.19.6
Dipropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Resin oil, distilled	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	F-T	ABC	No	15.12, 15.17, 15.19.6
Dithiocarbamate ester (C7-C35)	X	P	2	2G	Open	No			Yes	O	No	AD	No	15.19.6, 16.2.9
Ditridecyl adipate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6

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Ditridecyl phthalate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Diundecyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Dodecane (all isomers)	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
tert-Dodecanethiol	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABD	Yes	15.12, 15.17, 15.19
Dodecene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dodecyl alcohol	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Dodecylamine/Tetradecylamine mixture	Y	S/P	2	2G	Cont	No			Yes	R	T	AD	No	15.19.6, 16.2.9
Dodecylbenzene	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Dodecyl diphenyl ether disulphonate solution	X	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6
Dodecyl hydroxypropyl sulphide	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dodecyl methacrylate	Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.13
Dodecyl/Octadecyl methacrylate (mixture)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.13, 16.6.1, 16.6.2, 15.19.6, 16.2.6
Dodecyl/Pentadecyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 16.6.1, 16.6.2, 15.19.6
Dodecyl phenol	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Dodecyl Xylene	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Drilling brines (containing zinc salts)	X	P	2	2G	Open	No			Yes	O	No	No	No	15.19.6
Drilling brines, including:calcium bromide solution, calcium chloride solution and sodium chloride solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Epichlorohydrin	Y	S/P	2	2G	Cont	No		IIB	No	C	F-T	A	E	15.12, 15.17, 15.19.6
Ethanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	16.2.9
2-Ethoxyethyl acetate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Ethoxylated long chain (C16+) alkyloxyalkylamine	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.9
Ethyl acetate	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Ethyl acetoacetate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ethyl acrylate	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	E	15.13, 15.19.6, 16.6.1, 16.6.2
Ethylamine	Y	S/P	2	1G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14, 15.19.6
Ethylamine solutions (72% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14, 15.17, 15.19
Ethyl amyl ketone	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6

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Ethylbenzene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Ethyl tert-butyl ether	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Ethyl butyrate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Ethylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
N-Ethylcyclohexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.19.6
S-Ethyl dipropylthiocarbamate	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
Ethylene chlorohydrin	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AD	Yes	15.12, 15.17, 15.19
Ethylene cyanohydrin	Y	S/P	3	2G	Open	No		IIB	Yes	O	No	A	No	15.19.6
Ethylenediamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6, 16.2.9
Ethylenediaminetetraacetic acid, tetrasodium salt solution	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Ethylene dibromide	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.19.6, 16.2.9
Ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19
Ethylene glycol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Ethylene glycol acetate	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Ethylene glycol butyl ether acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Ethylene glycol diacetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Ethylene glycol methyl ether acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Ethylene glycol monoalkyl ethers	Y	S/P	3	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Ethylene glycol phenyl ether	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Ethylene glycol phenyl ether/Diethylene glycol phenyl ether mixture	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Ethylene oxide/Propylene oxide mixture with an ethylene oxide content of not more than 30% by mass	Y	S/P	2	1G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15.8, 15.12, 15.14, 15.19
Ethylene-Vinyl acetate copolymer (emulsion)	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Ethyl-3-ethoxypropionate	Y	P	3	2G	Cont	No			No	R	No	A	No	15.19.6
2-Ethylhexanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
2-Ethylhexyl acrylate	Y	S/P	3	2G	Open	No	T3	IIB	Yes	O	No	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
2-Ethylhexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.12, 15.19.6
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol (C8-C10) ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9

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Ethylidene norbornene	Y	S/P	2	2G	Cont	No			No	R	F-T	AD	No	15.12.1, 15.19.6
Ethyl methacrylate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2
N-Ethylmethylallylamine	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F	AC	Yes	15.12.3, 15.17, 15.19
Ethyl propionate	Y	P	3	2G	Open	No			No	R	F	A	No	15.19.6
2-Ethyl-3-propylacrolein	Y	S/P	3	2G	Cont	No		IIA	No	R	F-T	A	No	15.19.6, 16.2.9
Ethyl toluene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Fatty acid (saturated C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Fatty acid methyl esters (m)	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Fatty acids, 12+	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.2.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Fatty acids, C8-C10	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
Fatty acids, essentially linear (C6-C18) 2-ethylhexyl ester.	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Fatty acids, C16+	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Ferric chloride solutions	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.19.6, 16.2.9
Ferric nitrate/Nitric acid solution	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19
Fish oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Fluorosilicic acid (20-30%) in water solution	Y	S/P	3	1G	Cont	No	-	-	NF	R	T	No	Yes	15.11, 15.19.6
Formaldehyde solutions (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	Yes	15.19.6, 16.2.9
Formamide	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Formic acid	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	T(g)	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9
Furfural	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Furfuryl alcohol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Glucitol/glycerol blend propoxylated (containing less than 10% amines)	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Glutaraldehyde solutions (50% or less)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Glycerol monooleate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Glycerol propoxylated	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Glycerol, propoxylated and ethoxylated	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
Glycerol/sucrose blend propoxylated and ethoxylated	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	

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Glyceryl triacetate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Glycidyl ester of C10 trialkylacetic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Glycine, sodium salt solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Glycolic acid solution (70% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.9
Glyoxal solution (40% or less)	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Glyoxylic acid solution (50 % or less)	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ACD	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9, 16.6.1, 16.6.2, 16.6.3
Glyphosate solution (not containing surfactant)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Groundnut oil	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Heptane (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
n-Heptanoic acid	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Heptanol (all isomers) (d)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Heptene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Heptyl acetate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
1-Hexadecylnaphthalene / 1,4-bis(hexadecyl)naphthalene mixture	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Hexamethylenediamine adipate (50% in water)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Hexamethylenediamine (molten)	Y	S/P	2	2G	Cont	No			Yes	C	T	C	Yes	15.12, 15.17, 15.18, 15.19.6, 16.2.9
Hexamethylenediamine solution	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.19.6
Hexamethylene diisocyanate	Y	S/P	2	1G	Cont	Dry	T1	IIB	Yes	C	T	AC(b) D	Yes	15.12, 15.17, 15.16.2, 15.18, 15.19
Hexamethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Hexamethyleneimine	Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.19.6
Hexane (all isomers)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
1,6-Hexanediol, distillation overheads	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Hexanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
Hexanol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
Hexene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Hexyl acetate	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Hydrochloric acid	Z	S/P	3	1G	Cont	No			NF	R	T	No	Yes	15.11

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Hydrogen peroxide solutions (over 60% but not over 70% by mass)	Y	S/P	2	2G	Cont	No			NF	C	No	No	No	15.5.1, 15.19.6
Hydrogen peroxide solutions (over 8% but not over 60% by mass)	Y	S/P	3	2G	Cont	No			NF	C	No	No	No	15.5.2, 15.18, 15.19.6
2-Hydroxyethyl acrylate	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.13, 15.19.6, 16.6.1, 16.6.2
N-(Hydroxyethyl)ethylenediaminetriacetic acid, trisodium salt solution	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
2-Hydroxy-4-(methylthio)butanoic acid	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Illipe oil	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Isoamyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isobutyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isobutyl formate	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isobutyl methacrylate	Z	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.12, 15.13, 15.17, 16.6.1, 16.6.2
Isophorone	Y	S/P	3	2G	Cont	No			Yes	R	No	A	No	15.19.6
Isophoronediamine	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	16.2.9
Isophorone diisocyanate	X	S/P	2	2G	Cont	Dry			Yes	C	T	ABD	No	15.12, 15.16.2, 15.17, 15.19.6
Isoprene	Y	S/P	3	2G	Cont	No	T3	IIB	No	R	F	B	No	15.13, 15.14, 15.19.6, 16.6.1, 16.6.2
Isopropanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	16.2.9, 15.19.6, 16.2.6
Isopropyl acetate	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isopropylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14, 15.19
Isopropylamine (70% or less) solution	Y	S/P	2	2G	Cont	No			No	C	F-T	CD	Yes	15.12, 15.19.6, 16.2.9
Isopropylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Isopropyl ether	Y	S/P	3	2G	Cont	Inert			No	R	F	A	No	15.4.6, 15.13.3, 15.19.6
Lactic acid	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Lactonitrile solution (80% or less)	Y	S/P	2	1G	Cont	No			Yes	C	T	ACD	Yes	15.12, 15.13, 15.17, 15.18, 15.19, 16.6.1, 16.2.2, 16.6.3
Lard	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Latex, ammonia (1% or less), inhibited	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Latex: Carboxylated styrene-Butadiene copolymer; Styrene-Butadiene rubber	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Lauric acid	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Ligninsulphonic acid, sodium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9

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Linseed oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Liquid chemical wastes	X	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.19.6, 20.5.1
Long-chain alkaryl polyether (C11-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.6, 16.2.9
Long-chain alkaryl sulphonic acid (C16-C60)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
Long-chain alkylphenate/Phenol sulphide mixture	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
L-Lysine solution (60% or less)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Magnesium chloride solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Magnesium long-chain alkaryl sulphonate (C11-C50)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Magnesium long-chain alkyl salicylate (C11+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Maleic anhydride	Y	S/P	3	2G	Cont	No			Yes	R	No	AC(f)	No	16.2.9
Mango kernel oil	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Mercaptobenzothiazol, sodium salt solution	X	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Mesityl oxide	Z	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Metam sodium solution	X	S/P	1	2G	Open	No			NF	O	No	No	No	15.19, 16.2.9
Methacrylic acid - alkoxypoly (alkylene oxide) methacrylate copolymer, sodium salt aqueous solution (45% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	AC	No	16.2.9
Methacrylic acid	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.13, 16.6.1, 15.19.6, 16.2.9
Methacrylic resin in ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19, 16.2.9
Methacrylonitrile	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19
3-Methoxy-1-butanol	Z	P	3	2G	Cont	No			No	R	F	A	No	
3-Methoxybutyl acetate	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methyl chloroacetanilide	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
Methyl acetate	Z	P	3	2G	Cont	No			No	R	F	A	No	
Methyl acetoacetate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Methyl acrylate	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	A	Yes	15.13, 15.19.6, 16.6.1, 16.6.2
Methyl alcohol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylamine solutions (42% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.17, 15.19
Methylamyl acetate	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6

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Methylamyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methyl amyl ketone	Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylbutenol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Methyl tert-butyl ether	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Methyl butyl ketone	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
Methylbutynol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Methyl butyrate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Methylcyclopentadiene dimer	Y	P	2	2G	Cont	No			No	R	F	B	No	15.19.6
Methylcyclopentadienyl manganese tricarbonyl	X	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABCD	Yes	15.12, 15.18, 15.19, 16.2.9
Methyl diethanolamine	Y	S/P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
2-Methyl-6-ethyl aniline	Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6
Methyl ethyl ketone	Z	P	3	2G	Cont	No			No	R	F	A	No	
2-Methyl-5-ethyl pyridine	Y	S/P	3	2G	Open	No		IIA	Yes	O	No	AD	No	15.19.6
Methyl formate	Z	S/P	2	2G	Cont	No			No	R	F-T	A	Yes	15.12, 15.14, 15.19
2-Methyl-2-hydroxy-3-butyne	Z	S/P	3	2G	Cont	No		IIA	No	R	F-T	ABD	No	15.19.6, 16.2.9
Methyl isobutyl ketone	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Methyl methacrylate	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
3-Methyl-3-methoxybutanol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Methyl naphthalene (molten)	X	S/P	2	2G	Cont	No			Yes	R	No	AD	No	15.19.6
2-Methyl-1,3-propanediol	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
2-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F	A	No	15.12.3, 15.19.6
3-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F	AC	No	15.12.3, 15.19
4-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F-T	A	No	15.12.3, 15.19, 16.2.9
N-Methyl-2-pyrrolidone	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Methyl salicylate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
alpha-Methylstyrene	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	AD(j)	No	15.13, 15.19.6, 16.6.1, 16.6.2
3-(methylthio)propionaldehyde	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	F-T	BC	Yes	15.12, 15.17, 15.19

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Molybdenum Polysulfide Long Chain Alkyl Dithiocarbamide Complex.	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Morpholine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Motor fuel anti-knock compounds (containing lead alkyls)	X	S/P	1	1G	Cont	No	T4	IIA	No	C	F-T	AC	Yes	15.6, 15.12, 15.18, 15.19
Myrcene	X	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
Naphthalene (molten)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	15.19.6, 16.2.9
Naphthalenesulphonic acid-Formaldehyde copolymer, sodium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Neodecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Nitrating acid (mixture of sulphuric and nitric acids)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.16.2, 15.17, 15.19
Nitric acid (70% and over)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.19
Nitric acid (less than 70%)	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19
Nitrilotriacetic acid, trisodium salt solution	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Nitrobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AD	No	15.12, 15.17, 15.18, 15.19, 16.2.9
Nitroethane	Y	S/P	3	2G	Cont	No		IIB	No	R	F-T	A(f)	No	15.19.6, 16.6.1, 16.6.2, 16.6.4
Nitroethane(80%)/ Nitropropane(20%)	Y	S/P	3	2G	Cont	No		IIB	No	R	F-T	A(f)	No	15.19.6, 16.6.1, 16.6.2, 16.6.3
Nitroethane, 1-Nitropropane (each 15% or more) mixture	Y	S/P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.6, 16.6.1, 16.6.2, 16.6.3
o-Nitrophenol (molten)	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	No	15.12, 15.19.6, 16.2.6, 16.2.9
1- or 2-Nitropropane	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Nitropropane (60%)/Nitroethane (40%) mixture	Y	S/P	3	2G	Cont	No			No	R	F-T	A(f)	No	15.19.6
o- or p-Nitrotoluenes	Y	S/P	2	2G	Cont	No		IIB	Yes	C	T	AB	No	15.12, 15.17, 15.19.6
Nonane (all isomers)	X	P	2	2G	Cont	No			No	R	F	BC	No	15.19.6
Nonanoic acid (all isomers)	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Nonene (all isomers)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Nonyl alcohol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Nonyl methacrylate monomer	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Nonylphenol	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6, 16.2.9
Nonylphenol poly(4+)ethoxylate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Noxious liquid, NF, (1) n.o.s. (trade name, contains) ST1, Cat. X	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.19, 16.2.6
Noxious liquid, F, (2) n.o.s. (trade name, contains) ST1, Cat. X	X	P	1	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6

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Noxious liquid, NF, (3) n.o.s. (trade name, contains) ST2, Cat. X	X	P	2	2G	Open	No	-		Yes	O	No	A	No	15.19, 16.2.6
Noxious liquid, F, (4) n.o.s. (trade name, contains) ST2, Cat. X	X	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6
Noxious liquid, NF, (5) n.o.s. (trade name, contains) ST2, Cat. Y	Y	P	2	2G	Open	No	-		Yes	O	No	A	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, F, (6) n.o.s. (trade name, contains) ST2, Cat. Y	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, NF, (7) n.o.s. (trade name, contains) ST3, Cat. Y	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, F, (8) n.o.s. (trade name, contains) ST3, Cat. Y	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, NF, (9) n.o.s. (trade name, contains) ST3, Cat. Z	Z	P	3	2G	Open	No	-		Yes	O	No	A	No	
Noxious liquid, F, (10) n.o.s. (trade name, contains) ST3, Cat. Z	Z	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	
Octane (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Octanoic acid (all isomers)	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Octanol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	A	No	
Octene (all isomers)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
n-Octyl acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Octyl aldehydes	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
Octyl decyl adipate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
Olefin-Alkyl ester copolymer (molecular weight 2000+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Olefin mixtures (C5-C7)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Olefin mixtures (C5-C15)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Olefins (C13+, all isomers)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
alpha-Olefins (C6-C18) mixtures	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Oleic acid	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Oleum	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11.2 to 15.11.8, 15.12.1, 15.16.2, 15.17, 15.19, 16.2.6
Oleylamine	X	S/P	2	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
Olive oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Oxygenated aliphatic hydrocarbon mixture	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
Palm acid oil	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm fatty acid distillate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

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Palm kernel acid oil	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	16.2.9, 15.19.6, 16.2.6
Palm kernel oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Palm kernel olein	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm kernel stearin	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm mid fraction	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Non-edible industrial grade palm oil	Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Palm oil fatty acid methyl ester	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
Palm olein	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm stearin	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Paraffin wax	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Paraldehyde	Z	S/P	3	2G	Cont	No	T3	IIB	No	R	F	A	No	15.19.6, 16.2.9
Paraldehyde-ammonia reaction product	Y	S/P	2	2G	Cont	No			No	C	F-T	A	No	15.12.3, 15.19
Pentachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6
1,3-Pentadiene	Y	P	3	2G	Cont	No			No	R	F-T	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
Pentaethylenehexamine	X	S/P	2	2G	Open	No		Yes	Yes	O	No	B	Yes	15.19
Pentane (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.14, 15.19.6
Pentanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	Y	S/P	2	2G	Open	No	T2		Yes	C	No	AD	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.19
Pentene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.14, 15.19.6
n-Pentyl propionate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Perchloroethylene	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.12.2, 15.19.6
Petrolatum	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Phenol	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.19, 16.2.9
1-Phenyl-1-xylyl ethane	Y	P	3	2G	Open	No			Yes	O	No	AB	No	
Phosphate esters, alkyl (C12-C14) amine	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Phosphoric acid	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.11.1, 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 16.2.9

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Phosphorus, yellow or white	X	S/P	1	1G	Cont	Pad+(vent or inert)			No(c)	C	No	C	Yes	15.7, 15.19, 16.2.9
Phthalic anhydride (molten)	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	16.2.9, 15.19.6, 16.2.6
alpha-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
beta-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Pine oil	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.6, 16.2.9
Polyacrylic acid solution (40% or less)	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Polyalkyl (C18-C22) acrylate in xylene	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6, 16.2.6, 16.2.9
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Polyalkyl (C10-C20) methacrylate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polybutene	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Polybutenyl succinimide	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Poly(2+)cyclic aromatics	X	P	1	2G	Cont	No			Yes	R	No	AD	No	15.19, 16.2.6, 16.2.9
Polyether (molecular weight 1350+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Polyethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Polyethylene glycol dimethyl ether	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Polyethylene polyamines	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Polyethylene polyamines (more than 50% C5 -C20 paraffin oil)	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	16.2.9, 15.19.6
Polyferric sulphate solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	AC	No	16.2.9
Polysisobutenamine in aliphatic (C10-C14) solvent	Y	P	3	2G	Open	No	T3	IIA	Yes	O	No	A	No	15.19.6
Polysisobutenyl anhydride adduct	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Poly(4+)isobutylene	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
Polymethylene polyphenyl isocyanate	Y	S/P	2	2G	Cont	Dry			Yes(a)	C	T(a)	A	No	15.12, 15.16.2, 15.19.6, 16.2.9
Polyolefin (molecular weight 300+)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Polyolefin amide alkeneamine (C17+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6

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Polyolefin amide alkeneamine borate (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyolefinamine (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Polyolefinamine in alkyl (C2-C4) benzenes	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Polyolefinamine in aromatic solvent	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Polyolefin aminoester salts (molecular weight 2000+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Polyolefin anhydride	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyolefin ester (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyolefin phenolic amine (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Polyolefin phosphorusulphide, barium derivative (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Poly(20)oxyethylene sorbitan monooleate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Poly(5+)propylene	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
Polypropylene glycol	Z	S/P	3	2G	Cont	No			Yes	O	No	ABC	No	15.19.6
Polysiloxane	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6, 16.2.9
Potassium chloride solution	Z	S/P	3	2G	Open	No	-	-	NF	O	No	A	No	16.2.9
Potassium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Potassium oleate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Potassium thiosulphate (50% or less)	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
n-Propanolamine	Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	16.2.9, 15.19.6
beta-Propiolactone	Y	S/P	2	2G	Cont	No		IIA	Yes	R	T	A	No	15.19.6
Propionaldehyde	Y	S/P	3	2G	Cont	No			No	R	F-T	A	Yes	15.17, 15.19.6
Propionic acid	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
Propionic anhydride	Y	S/P	3	2G	Cont	No	T2	IIA	Yes	R	T	A	No	15.19.6
Propionitrile	Y	S/P	2	1G	Cont	No	T1	IIB	No	C	F-T	AD	Yes	15.12, 15.17, 15.18, 15.19
n-Propyl acetate	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
n-Propyl alcohol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
n-Propylamine	Z	S/P	2	2G	Cont	Inert	T2	IIA	No	C	F-T	AD	Yes	15.12, 15.19
Propylbenzene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6

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Propylene glycol methyl ether acetate	Z	P	3	2G	Cont	No			No	R	F	A	No	
Propylene glycol monoalkyl ether	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Propylene glycol phenyl ether	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Propylene oxide	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15.8, 15.12.1, 15.14, 15.19
Propylene tetramer	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Propylene trimer	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Pyridine	Y	S	3	2G	Cont	No	T1	IIA	No	R	F	A	No	15.19.6
Pyrolysis gasoline (containing benzene)	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	F-T	AB	No	15.12, 15.17, 15.19.6
Rapeseed oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Rape seed oil fatty acid methyl esters	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Rice bran oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Rosin	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Safflower oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Shea butter	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Sodium alkyl (C14-C17) sulphonates (60-65% solution)	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
Sodium aluminosilicate slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Sodium benzoate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Sodium borohydride (15% or less)/Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
Sodium carbonate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Sodium chlorate solution (50% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.9, 16.2.9
Sodium dichromate solution (70% or less)	Y	S/P	2	2G	Open	No			NF	C	No	No	No	15.12.3, 15.19
Sodium hydrogen sulphide (6% or less)/Sodium carbonate (3% or less) solution	Z	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Sodium hydrogen sulphite solution (45% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	16.2.9
Sodium hydrosulphide/Ammonium sulphide solution	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.14, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
Sodium hydrosulphide solution (45% or less)	Z	S/P	3	2G	Cont	Vent or pad (gas)			NF	R	T	No	No	15.19.6, 16.2.9
Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
Sodium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No	-	-	NF	R	No	No	No	15.19.6

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Sodium nitrite solution	Y	S/P	2	2G	Open	No			NF	O	No	No	No	15.12.3.1, 15.12.3.2, 15.19, 16.2.9
Sodium petroleum sulphonate	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Sodium poly(4+)acrylate solutions	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
Sodium silicate solution	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Sodium sulphide solution (15% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	No	15.19.6, 16.2.9
Sodium sulphite solution (25% or less)	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Sodium thiocyanate solution (56% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9
Soyabean oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Styrene monomer	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2
Sulphohydrocarbon (C3-C88)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Sulpholane	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Sulphur (molten)	Z	S	3	1G	Open	Vent or pad (gas)	T3		Yes	O	F-T	No	No	15.10, 16.2.9
Sulphuric acid	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.16.2, 15.19.6
Sulphuric acid, spent	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.16.2, 15.19.6
Sulphurized fat (C14-C20)	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Sulphurized polyolefinamide alkene (C28-C250) amine	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Sunflower seed oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Tall oil, crude	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Tall oil, distilled	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Tall oil fatty acid (resin acids less than 20%)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Tall oil pitch	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Tallow	Y	P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Tallow fatty acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Tetrachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6
Tetraethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Tetraethylene pentamine	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Tetrahydrofuran	Z	S	3	2G	Cont	No	T3	IIB	No	R	F-T	A	No	15.19.6

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Tetrahydronaphthalene	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Tetramethylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Titanium dioxide slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Toluene	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Toluenediamine	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	Yes	15.12, 15.17, 15.19, 16.2.9, 16.2.6
Toluene diisocyanate	Y	S/P	2	2G	Cont	Dry	T1	IIA	Yes	C	F-T	AC(b) D	Yes	15.12, 15.16.2, 15.17, 15.19, 16.2.9
o-Toluidine	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.17, 15.19
Tributyl phosphate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
1,2,3-Trichlorobenzene (molten)	X	S/P	1	2G	Cont	No			Yes	C	T	ACD	Yes	15.12.1, 15.17, 15.19, 16.2.9, 16.2.6
1,2,4-Trichlorobenzene	X	S/P	1	2G	Cont	No			Yes	R	T	AB	No	15.19, 16.2.9
1,1,1-Trichloroethane	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
1,1,2-Trichloroethane	Y	S/P	3	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.19.6
Trichloroethylene	Y	S/P	2	2G	Cont	No	T2	IIA	Yes	R	T	No	No	15.12, 15.17, 15.19.6
1,2,3-Trichloropropane	Y	S/P	2	2G	Cont	No			Yes	C	T	ABD	No	15.12, 15.17, 15.19
1,1,2-Trichloro-1,2,2-Trifluoroethane	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6
Tricresyl phosphate (containing 1% or more ortho-isomer)	Y	S/P	1	2G	Cont	No	T2	IIA	Yes	C	No	AB	No	15.12.3, 15.19, 16.2.6
Tricresyl phosphate (containing less than 1% ortho-isomer)	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Tridecane	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Tridecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
Tridecyl acetate	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
Triethanolamine	Z	S/P	3	2G	Open	No		IIA	Yes	O	No	A	No	16.2.9
Triethylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	Yes	15.12, 15.19.6
Triethylbenzene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Triethylenetetramine	Y	S/P	2	2G	Open	No	T2	IIA	Yes	O	No	A	No	15.19.6
Triethyl phosphate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Triethyl phosphite	Z	S/P	3	2G	Cont	No			No	R	F-T	AB	No	15.12.1, 15.19.6, 16.2.9
Triisopropanolamine	Z	P	3	2G	Open	No			Yes	O	No	A	No	

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Triisopropylated phenyl phosphates	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Trimethylacetic acid	Y	S/P	2	2G	Cont	No			Yes	R	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.5, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.6, 16.2.9
Trimethylamine solution (30% or less)	Z	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14, 15.19, 16.2.9
Trimethylbenzene (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Trimethylol propane propoxylated	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
1,3,5-Trioxane	Y	S/P	3	2G	Cont	No			No	R	F	AD	No	15.19.6, 16.2.9
Tripropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Trixylyl phosphate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
Tung oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Turpentine	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Undecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.6, 16.2.9
1-Undecene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Undecyl alcohol	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Urea/Ammonium nitrate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Urea/Ammonium nitrate solution (containing less than 1% free ammonia)	Z	S/P	3	2G	Cont	No			NF	R	T	A	No	16.2.9
Urea/Ammonium phosphate solution	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Urea solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Valeraldehyde (all isomers)	Y	S/P	3	2G	Cont	Inert	T3	IIB	No	R	F-T	A	No	15.4.6, 15.19.6
Vegetable acid oils (m)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Vegetable fatty acid distillates (m)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Vinyl acetate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
Vinyl ethyl ether	Z	S/P	2	1G	Cont	Inert	T3	IIB	No	C	F-T	A	E	15.4, 15.13, 15.14, 16.6.1, 16.6.2, 15.19.6
Vinylidene chloride	Y	S/P	2	2G	Cont	Inert	T2	IIA	No	R	F-T	B	Yes	15.13, 15.14, 15.19.6, 16.6.1, 16.6.2
Vinyl neodecanoate	Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2
Vinyltoluene	Y	S/P	2	2G	Cont	No		IIA	No	R	F	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2

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Waxes	Y	P	2	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
White spirit, low (15-20%) aromatic	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
Xylenes	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9 (h)
Xylenes/ethylbenzene (10% or more) mixture	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
Xylenol	Y	S/P	2	2G	Open	No		IIA	Yes	O	No	AB	No	15.19.6, 16.2.9
Zinc alkaryl dithiophosphate (C7-C16)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
Zinc alkenyl carboxamide	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Zinc alkyl dithiophosphate (C3-C14)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6

- a If the product to be carried contains flammable solvents such that the flashpoint does not exceed 60°C, then special electrical systems and a flammable-vapour detector shall be provided.
- b Although water is suitable for extinguishing open-air fires involving chemicals to which this footnote applies, water shall not be allowed to contaminate closed tanks containing these chemicals because of the risk of hazardous gas generation.
- c Phosphorus, yellow or white is carried above its autoignition temperature and therefore flashpoint is not appropriate. Electrical equipment requirements may be similar to those for substances with a flashpoint above 60°C.
- d Requirements are based on those isomers having a flashpoint of 60°C, or less; some isomers have a flashpoint greater than 60°C, and therefore the requirements based on flammability would not apply to such isomers.
- e Applies to n-decyl alcohol only.
- f Dry chemical shall not be used as fire extinguishing media.
- g Confined spaces shall be tested for both formic acid vapours and carbon monoxide gas, a decomposition product.
- h Applies to p-xylene only.
- i For mixtures containing no other components with safety hazards and where the pollution category is Y or less.
- j Only certain alcohol-resistant foams are effective.
- k Requirements for Ship Type identified in *column e* might be subject to regulation 4.1.3 of Annex II of MARPOL 73/78.
- l Applicable when the melting point is equal to or greater than 0°C.
- m From vegetable oils specified in the IBC Code.

Chapter 18

List of products to which the Code does not apply

18.1 The following are products, which have been reviewed for their safety and pollution hazards and determined not to present hazards to such an extent as to warrant application of the Code.

18.2 Although the products listed in this chapter fall outside the scope of the Code, the attention of Administrations is drawn to the fact that some safety precautions may be needed for their safe transportation. Accordingly, Administrations shall prescribe appropriate safety requirements.

18.3 Some liquid substances are identified as falling into Pollution Category Z and, therefore, subject to certain requirements of Annex II of MARPOL 73/78.

18.4 Liquid mixtures which are assessed or provisionally assessed under regulation 6.3 of MARPOL Annex II as falling into Pollution Category Z or OS, and which do not present safety hazards, may be carried under the appropriate entry in this chapter for “Noxious or Non-Noxious Liquid Substances, not otherwise specified (n.o.s.)”.

EXPLANATORY NOTES

Product name	The product name shall be used in the shipping document for any cargo offered for bulk shipments. Any additional name may be included in brackets after the product name. In some cases, the product names are not identical with the names given in previous issues of the Code.
Pollution Category	The letter Z means the Pollution Category assigned to each product under Annex II of MARPOL 73/78. OS means the product was evaluated and found to fall outside Categories X, Y, or Z.

Note: the following pages are not numbered as they are database generated.

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Product name	Pollution Category
Acetone	Z
Alcoholic beverages, n.o.s.	Z
Apple juice	OS
n-Butyl alcohol	Z
sec-Butyl alcohol	Z
Calcium nitrate solutions (50% or less)	Z
Clay slurry	OS
Coal slurry	OS
Diethylene glycol	Z
Ethyl alcohol	Z
Ethylene carbonate	Z
Glucose solution	OS
Glycerine	Z
Hexamethylenetetramine solutions	Z
Hexylene glycol	Z
Hydrogenated starch hydrolysate	OS
Isopropyl alcohol	Z
Kaolin slurry	OS
Lecithin	OS
Magnesium hydroxide slurry	Z
Maltitol solution	OS
N-Methylglucamine solution (70% or less)	Z
Methyl propyl ketone	Z
Molasses	OS
Noxious liquid, (11) n.o.s. (trade name, contains) Cat. Z	Z
Non noxious liquid, (12) n.o.s. (trade name, contains) Cat. OS	OS
Polyaluminium chloride solution	Z
Polyglycerin, sodium salt solution (containing less than 3% sodium hydroxide)	Z
Potassium formate solutions	Z
Propylene carbonate	Z
Propylene glycol	Z
Sodium acetate solutions	Z
Sodium sulphate solutions	Z

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Product name	Pollution Category
Sorbitol solution	OS
Sulphonated polyacrylate solution	Z
Tetraethyl silicate monomer/oligomer (20% in ethanol)	Z
Triethylene glycol	Z
Vegetable protein solution (hydrolysed)	OS
Water	OS

Chapter 19

Index of Products Carried in Bulk

19.1 The first column of the Index of Products Carried in Bulk (hereafter referred to as “the Index”) provides the so called Index Name. Where the Index Name is in capital and in bold, the Index Name is identical to the Product Name in either chapter 17 or chapter 18. The second column listing the relevant Product Name is therefore empty. Where the Index Name is in non-bold lower case it reflects a synonym for which the Product Name in either chapter 17 or chapter 18 is given in the second column. The relevant chapter of the IBC Code is reflected in the third column. The fourth column gives the UN Numbers of products, which were available up to February 2001.*

19.2 The Index has been developed for information purposes only. None of the Index Names indicated in non-bold lower case in the first column shall be used as Product Name on the shipping document.

19.3 Prefixes forming an integral part of the name are shown in ordinary (roman) type and are taken into account in determining the alphabetical order of entries. These include such prefixes as:

Mono Di Tri Tetra Penta Iso Bis Neo Ortho Cyclo

19.4 Prefixes that are disregarded for purposes of alphabetical order are in italics and include the following:

n-	(normal-)
sec-	(secondary-)
tert-	(tertiary-)
o-	(ortho-)
m-	(meta-)
p-	(para-)
N-	
O-	
sym-	(symmetrical)
uns-	(unsymmetrical)
dl-	
cis-	
trans-	
(E)-	
(Z)-	
alpha-	(α -)
beta-	(β -)
gamma-	(γ -)
epsilon-	(ϵ -)

Note: the following pages are not numbered as they are database generated.

* The reason for this decision is given in paragraph 7.10 of BLG 6/16.

Index Name	Product Name	Chapter	UN No.
Abietic anhydride	ROSIN	17	
acedimethylamide	N,N-DIMETHYLACETAMIDE	17	
Acetaldehyde cyanohydrin	LACTONITRILE SOLUTION (80% OR LESS)	17	
Acetaldehyde trimer	PARALDEHYDE	17	
ACETIC ACID		17	
Acetic acid anhydride	ACETIC ANHYDRIDE	17	
Acetic acid, ethenyl ester	VINYL ACETATE	17	
Acetic acid, methyl ester	METHYL ACETATE	17	
Acetic acid, vinyl ester	VINYL ACETATE	17	
ACETIC ANHYDRIDE		17	1715
Acetic ester	ETHYL ACETATE	17	
Acetic ether	ETHYL ACETATE	17	
Acetic oxide	ACETIC ANHYDRIDE	17	
Acetoacetic acid, methyl ester	METHYL ACETOACETATE	17	
Acetoacetic ester	ETHYL ACETOACETATE	17	
ACETOCHLOR		17	
ACETONE		18	
ACETONE CYANOHYDRIN		17	1541
ACETONITRILE		17	1648
ACETONITRILE (LOW PURITY GRADE)		17	
Acetyl anhydride	ACETIC ANHYDRIDE	17	
Acetylene tetrachloride	TETRACHLOROETHANE	17	
Acetyl ether	ACETIC ANHYDRIDE	17	
Acetyl oxide	ACETIC ANHYDRIDE	17	
ACID OIL MIXTURE FROM SOYABEAN, CORN (MAIZE) AND SUNFLOWER OIL REFINING		17	
Acintene	BETA-PINENE	17	
Acroleic acid	ACRYLIC ACID	17	
ACRYLAMIDE SOLUTION (50% OR LESS)		17	2074
ACRYLIC ACID		17	2218
Acrylic acid, 2-hydroxyethyl ester	2-HYDROXYETHYL ACRYLATE	17	
Acrylic amide solution, 50% or less	ACRYLAMIDE SOLUTION (50% OR LESS)	17	
Acrylic resin monomer	METHYL METHACRYLATE	17	
ACRYLONITRILE		17	1093
ACRYLONITRILE-STYRENE COPOLYMER DISPERSION IN POLYETHER POLYOL		17	
Adipic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE	17	
ADIPONITRILE		17	2205
ALACHLOR TECHNICAL (90% OR MORE)		17	
Alcohol	ETHYL ALCOHOL	18	
Alcohol, C10	DECYL ALCOHOL (ALL ISOMERS)	17	
Alcohol, C11	UNDECYL ALCOHOL	17	
Alcohol, C12	DODECYL ALCOHOL	17	
Alcohol, C7	HEPTANOL (ALL ISOMERS) (D)	17	
Alcohol, C8	OCTANOL (ALL ISOMERS)	17	
Alcohol, C9	NONYL ALCOHOL (ALL ISOMERS)	17	
ALCOHOLIC BEVERAGES, N.O.S.		18	
ALCOHOL (C9-C11) POLY (2.5-9) ETHOXYLATE		17	
ALCOHOL (C6-C17) (SECONDARY) POLY(3-6)ETHOXYLATES		17	
ALCOHOL (C6-C17) (SECONDARY) POLY(7-12)ETHOXYLATES		17	

Index Name	Product Name	Chapter	UN No.
ALCOHOL (C12-C16) POLY(1-6)ETHOXYLATES		17	
ALCOHOL (C12-C16) POLY(20+)ETHOXYLATES		17	
ALCOHOL (C12-C16) POLY(7-19)ETHOXYLATES		17	
ALCOHOLS (C13+)		17	
Alcohols, C13 - C15	ALCOHOLS (C13+)	17	
ALCOHOLS (C8-C11), PRIMARY, LINEAR AND ESSENTIALLY LINEAR		17	
ALCOHOLS (C12-C13), PRIMARY, LINEAR AND ESSENTIALLY LINEAR		17	
ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR		17	
Aldehyde collidine	2-METHYL-5-ETHYL PYRIDINE	17	
Aldehydine	2-METHYL-5-ETHYL PYRIDINE	17	
ALKANES (C6-C9)		17	
ISO- AND CYCLO-ALKANES (C10-C11)		17	
ISO- AND CYCLO-ALKANES (C12+)		17	
N-ALKANES (C10+)		17	
Alkane(C10-C18)sulfonic acid, phenyl ester	ALKYL SULPHONIC ACID ESTER OF PHENOL	17	
ALKARYL POLYETHERS (C9-C20)		17	
ALKENYL (C11+) AMIDE		17	
ALKENYL (C16-C20) SUCCINIC ANHYDRIDE		17	
ALKYL ACRYLATE-VINYLPYRIDINE COPOLYMER IN TOLUENE		17	
ALKYLARYL PHOSPHATE MIXTURES (MORE THAN 40% DIPHENYL TOLYL PHOSPHATE, LESS THAN 0.02% ORTHO-ISOMERS)		17	
ALKYLATED (C4-C9) HINDERED PHENOLS		17	
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ALKYLBENZENE MIXTURES (CONTAINING AT LEAST 50% OF TOLUENE)		17	
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ALKYL (C5-C8) BENZENES		17	
ALKYL(C9+)BENZENES		17	
ALKYL (C11-C17) BENZENE SULPHONIC ACID		17	2584, 258
ALKYLBENZENE SULPHONIC ACID, SODIUM SALT SOLUTION		17	
ALKYL (C12+) DIMETHYLAMINE		17	2735
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ALKYLDITHIOTHIAZOLE (C6-C24)		17	
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ALKYL (C8-C10)/(C12-C14):(40% OR LESS/60% OR MORE) POLYGLUCOSIDE SOLUTION (55% OR LESS)		17	
ALKYL (C8-C10)/(C12-C14):(60% OR MORE/40% OR LESS) POLYGLUCOSIDE SOLUTION(55% OR LESS)		17	
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2,2'- [3-(Alkyl(C16-C18)oxy)propylimino]diethanol	ETHOXYLATED LONG CHAIN (C16+)	17	

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ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS		17	1993
ALKYL (C9-C15) PHENYL PROPOXYLATE		17	
ALKYL (C8-C10)/(C12-C14):(50%/50%) POLYGLUCOSIDE SOLUTION (55% OR LESS)		17	
ALKYL (C12-C14) POLYGLUCOSIDE SOLUTION (55% OR LESS)		17	
ALKYL (C8-C10) POLYGLUCOSIDE SOLUTION (65% OR LESS).		17	
ALKYL(C10-C20, SATURATED AND UNSATURATED) PHOSPHITE		17	
ALKYL SULPHONIC ACID ESTER OF PHENOL		17	
3-Alky(C16-C18)oxy-N,N'-bis(2-hydroxyethyl)propan-1-amine	ETHOXYLATED LONG CHAIN (C16+)	17	
ALLYL ALCOHOL		17	1098
ALLYL CHLORIDE		17	1100
Aluminium silicate hydroxide	KAOLIN SLURRY	18	
ALUMINIUM SULPHATE SOLUTION		17	
Aminoacetic acid, sodium salt solution	GLYCINE, SODIUM SALT SOLUTION	17	
1-Amino-3-aminomethyl-3,5,5-trimethylcyclohexane	ISOPHORONEDIAMINE	17	
Aminobenzene	ANILINE	17	
1-Aminobutane	BUTYLAMINE (ALL ISOMERS)	17	
2-Aminobutane	BUTYLAMINE (ALL ISOMERS)	17	
Aminocyclohexane	CYCLOHEXYLAMINE	17	
Aminoethane	ETHYLAMINE	17	
Aminoethane solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)	17	
2-Aminoethanol	ETHANOLAMINE	17	
2-(2-AMINOETHOXY) ETHANOL		17	3055
2-(2-Aminoethylamino)ethanol	AMINOETHYL ETHANOLAMINE	17	
AMINOETHYLDIETHANOLAMINE/AMINOETHYLETHANOLAMINE SOLUTION		17	
AMINOETHYL ETHANOLAMINE		17	
N-(2-aminoethyl)ethylenediamine	DIETHYLENETRIAMINE	17	
1-(2-Aminoethyl)piperazine	N-AMINOETHYLPIPERAZINE	17	
N-AMINOETHYLPIPERAZINE		17	2815
2-Aminoisobutane	BUTYLAMINE (ALL ISOMERS)	17	
Aminomethane	METHYLAMINE SOLUTIONS (42% OR LESS)	17	
Aminomethane solutions, 42% or less	METHYLAMINE SOLUTIONS (42% OR LESS)	17	
1-Amino-2-methylbenzene	O-TOLUIDINE	17	
2-Amino-1-methylbenzene	O-TOLUIDINE	17	
2-AMINO-2-METHYL-1-PROPANOL		17	
3-Aminomethyl-3,5,5-trimethylcyclohexylamine	ISOPHORONEDIAMINE	17	
Aminophen	ANILINE	17	
1-Aminopropane	N-PROPYLAMINE	17	
2-Aminopropane	ISOPROPYLAMINE	17	
2-Aminopropane (70% or less) solution	ISOPROPYLAMINE (70% OR LESS) SOLUTION	17	
1-Amino-2-propanol	ISOPROPANOLAMINE	17	
1-Aminopropan-2-ol	ISOPROPANOLAMINE	17	
3-Aminopropan-1-ol	N-PROPANOLAMINE	17	
2-Aminotoluene	O-TOLUIDINE	17	

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AMMONIUM HYDROGEN PHOSPHATE SOLUTION		17	
Ammonium hydroxide, 28% or less	AMMONIA AQUEOUS (28% OR LESS)	17	
AMMONIUM LIGNOSULPHONATE SOLUTIONS		17	
AMMONIUM NITRATE SOLUTION (93% OR LESS)		17	
AMMONIUM POLYPHOSPHATE SOLUTION		17	
AMMONIUM SULPHATE SOLUTION		17	
AMMONIUM SULPHIDE SOLUTION (45% OR LESS)		17	2683
AMMONIUM THIOSULPHATE SOLUTION (60% OR LESS)		17	
AMYL ACETATE (ALL ISOMERS)		17	1104
Amyl acetate, commercial	AMYL ACETATE (ALL ISOMERS)	17	
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Amylacetic ester	AMYL ACETATE (ALL ISOMERS)	17	
Amyl alcohol	N-AMYL ALCOHOL	17	
N-AMYL ALCOHOL		17	
AMYL ALCOHOL, PRIMARY		17	
SEC-AMYL ALCOHOL		17	
TERT-AMYL ALCOHOL		17	
Amyl aldehyde	VALERALDEHYDE (ALL ISOMERS)	17	
Amyl carbinol	HEXANOL	17	
alpha-n-Amylene	PENTENE (ALL ISOMERS)	17	
Amylene hydrate	TERT-AMYL ALCOHOL	17	
tert-Amylenes	PENTENE (ALL ISOMERS)	17	
Amyl ethyl ketone	ETHYL AMYL KETONE	17	
Amyl hydrate	N-AMYL ALCOHOL	17	
Amyl hydride	PENTANE (ALL ISOMERS)	17	
TERT-AMYL METHYL ETHER		17	1993
n-Amyl methyl ketone	METHYL AMYL KETONE	17	
n-Amyl propionate	N-PENTYL PROPIONATE	17	
Anaesthetic ether	DIETHYL ETHER	17	
ANILINE		17	1547
Aniline oil	ANILINE	17	
Anilinobenzene	DIPHENYLAMINE (MOLTEN)	17	
Anthracene oil (coal tar fraction)	COAL TAR	17	
Ant oil, artificial	FURFURAL	17	
APPLE JUICE		18	
Aqua fortis	NITRIC ACID (70% AND OVER)	17	
Argilla	KAOLIN SLURRY	18	
ARYL POLYOLEFINS (C11-C50)		17	
AVIATION ALKYLATES (C8 PARAFFINS AND ISO-PARAFFINS BPT 95 - 120°C)		17	
Azacycloheptane	HEXAMETHYLENEIMINE	17	
3-Azapentane-1,5-diamine	DIETHYLENETRIAMINE	17	
Azepane	HEXAMETHYLENEIMINE	17	
Azotic acid	NITRIC ACID (70% AND OVER)	17	

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BARIUM LONG CHAIN (C11-C50) ALKARYL SULPHONATE		17	2810
Basic calcium alkyl salicylate in approximately 30% mineral oil	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17	
Battery acid	SULPHURIC ACID	17	
Behenyl alcohol	ALCOHOLS (C13+)	17	
Benzenamine	2-METHYL-5-ETHYL PYRIDINE	17	
1,2-Benzenedicarboxylic acid, diethyl ester	DIETHYL PHTHALATE	17	
1,2-Benzenedicarboxylic acid, diundecyl ester	DIUNDECYL PHTHALATE	17	
BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)		17	1114
BENZENE SULPHONYL CHLORIDE		17	2225
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Benzenol	PHENOL	17	
Benzol	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE	17	
Benzole	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE	17	
Benzophenol	PHENOL	17	
Benzothiazole-2-thiol(, sodium salt)	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17	
2-Benzothiazolethiol(, sodium salt)	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17	
(2-Benzothiazolythio) sodium solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17	
BENZYL ACETATE		17	
BENZYL ALCOHOL		17	
Benzyl butyl phthalate	BUTYL BENZYL PHTHALATE	17	
BENZYL CHLORIDE		17	1738
Betaprone	BETA-PROPIOLACTONE	17	
Betula oil	METHYL SALICYLATE	17	
Biformyl	GLYOXAL SOLUTION (40% OR LESS)	17	
Bihexyl	DODECANE (ALL ISOMERS)	17	
Biphenyl	DIPHENYL	17	
Bis(methylcyclopentadiene)	METHYLCYCLOPENTADIENE DIMER	17	
2,5-Bis(alkyl(C7+)(thio)-1,3,4-thiadiazole	ALKYLDITHIOTHIA DIAZOLE (C6-C24)	17	
Bis(2-aminoethyl)amine	DIETHYLENETRIAMINE	17	
N,N'-Bis(2-aminoethyl)ethane-1,2-diamine	TRIETHYLENETETRAMINE	17	
N,N'-Bis(2-aminoethyl)ethylenediamine	TRIETHYLENETETRAMINE	17	
N,N-Bis(2- (bis(carboxymethyl)amino)ethyl)glycine, pentasodium salt	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM	17	
Bis(2-butoxyethyl) ether	DIETHYLENE GLYCOL DIBUTYL ETHER	17	
N,N- Bis(carboxymethyl)glycine trisodium salt	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION	17	
Bis(chloroethyl) ether	DICHLOROETHYL ETHER	17	
Bis(2-chloroethyl) ether	DICHLOROETHYL ETHER	17	
Bis (2-chloroisopropyl) ether	2,2'-DICHLOROISOPROPYL ETHER	17	
Bis(2-chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER	17	
1,1-Bis[4-(2,3-epoxypropoxy)phenyl]ethane	DIGLYCIDYL ETHER OF BISPHENOL A	17	
Bis[2-(2,3-epoxypropoxy)phenyl]methane	DIGLYCIDYL ETHER OF BISPHENOL F	17	
Bis(2-ethoxyethyl) ether	DIETHYLENE GLYCOL DIETHYL ETHER	17	
Bis(2-ethylhexyl) adipate	DI-(2-ETHYLHEXYL) ADIPATE	17	
Bis(2-ethylhexyl) hydrogen phosphate	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17	
Bis(2-ethylhexyl) phthalate	DIOCTYL PHTHALATE	17	
Bis(2-hydroxyethyl)amine	DIETHANOLAMINE	17	
Bis(2-hydroxyethyl)ammonium 2,4- dichlorophenoxyacetate	2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE	17	
Bis(2-hydroxyethyl) ether	DIETHYLENE GLYCOL	18	

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Bis(2-hydroxypropyl)amine	DIISOPROPANOLAMINE	17	
Bis(6-methylheptyl) phthalate	DIOCTYL PHTHALATE	17	
Blackstrap molasses	MOLASSES	18	
Bolus alba	KAOLIN SLURRY	18	
BRAKE FLUID BASE MIX: POLY(2-8)ALKYLENE (C2-C3) GLYCOLS/POLYALKYLENE (C2-C10) GLYCOLS MONOALKYL (C1-C4) ETHERS AND THEIR BORATE ESTERS		17	
Bran oil	FURFURAL	17	
Brimstone	SULPHUR (MOLTEN)	17	
BROMOCHLOROMETHANE		17	
Butaldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	
Butanal	BUTYRALDEHYDE (ALL ISOMERS)	17	
n-Butanal	BUTYRALDEHYDE (ALL ISOMERS)	17	
Butane-1,3-diol	BUTYLENE GLYCOL	17	
1,3-Butanediol	BUTYLENE GLYCOL	17	
Butane -1,4-diol	BUTYLENE GLYCOL	17	
1,4-Butanediol	BUTYLENE GLYCOL	17	
Butane-2,3-diol	BUTYLENE GLYCOL	17	
2,3-Butanediol	BUTYLENE GLYCOL	17	
Butanoic acid	BUTYRIC ACID	17	
Butanol	N-BUTYL ALCOHOL	18	
Butanol-1	N-BUTYL ALCOHOL	18	
Butan-1-ol	N-BUTYL ALCOHOL	18	
1-Butanol	N-BUTYL ALCOHOL	18	
Butan-2-ol	SEC-BUTYL ALCOHOL	18	
2-Butanol	SEC-BUTYL ALCOHOL	18	
Butanol acetate	BUTYL ACETATE (ALL ISOMERS)	17	
2-Butanol acetate	BUTYL ACETATE (ALL ISOMERS)	17	
1,4-Butanolide	GAMMA-BUTYROLACTONE	17	
Butan-4-olide	GAMMA-BUTYROLACTONE	17	
n-Butanol	N-BUTYL ALCOHOL	18	
sec-Butanol	SEC-BUTYL ALCOHOL	18	
tert-Butanol	TERT-BUTYL ALCOHOL	17	
Butan-2-one	METHYL ETHYL KETONE	17	
2-Butanone	METHYL ETHYL KETONE	17	
2-Butenal	CROTONALDEHYDE	17	
Butene dimer	OCTENE (ALL ISOMERS)	17	
BUTENE OLIGOMER		17	
1-Butoxybutane	N-BUTYL ETHER	17	
2-Butoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
2-tert-butoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
2-(2-Butoxyethoxy)ethanol	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17	
2-(2-Butoxyethoxy)ethyl acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER	17	
2-Butoxyethyl acetate	ETHYLENE GLYCOL BUTYL ETHER ACETATE	17	
1-Butoxypropan-2-ol	PROPYLENE GLYCOL MONOALKYL ETHER	17	
Butyl acetate	BUTYL ACETATE (ALL ISOMERS)	17	
BUTYL ACETATE (ALL ISOMERS)		17	1123
n-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)	17	
sec-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)	17	
tert-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)	17	
BUTYL ACRYLATE (ALL ISOMERS)		17	2348
n-Butyl acrylate	BUTYL ACRYLATE (ALL ISOMERS)	17	

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Butyl alcohol	N-BUTYL ALCOHOL	18	
N-BUTYL ALCOHOL		18	
SEC-BUTYL ALCOHOL		18	
TERT-BUTYL ALCOHOL		17	
n-Butyl aldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	
BUTYLAMINE (ALL ISOMERS)		17	1125, 121
n-Butylamine	BUTYLAMINE (ALL ISOMERS)	17	
sec-Butylamine	BUTYLAMINE (ALL ISOMERS)	17	
tert-Butylamine	BUTYLAMINE (ALL ISOMERS)	17	
BUTYLBENZENE (ALL ISOMERS)		17	2709
tert-Butylbenzene	BUTYLBENZENE (ALL ISOMERS)	17	
BUTYL BENZYL PHTHALATE		17	
Butyl butanoate	BUTYL BUTYRATE (ALL ISOMERS)	17	
BUTYL BUTYRATE (ALL ISOMERS)		17	
n-Butyl butyrate	BUTYL BUTYRATE (ALL ISOMERS)	17	
n-Butylcarbinol	N-AMYL ALCOHOL	17	
Butyl carbitol	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17	
Butyl carbitol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER	17	
Butyl cellosolve	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Butyl cellosolve acetate	ETHYLENE GLYCOL BUTYL ETHER ACETATE	17	
BUTYL/DECYL/CETYL/EICOSYL METHACRYLATE MIXTURE		17	
Butyl/decyl/hexadecyl/icosyl methacrylate mixture	BUTYL/DECYL/CETYL/EICOSYL METHACRYLATE MIXTURE	17	
Butyl diglycol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER	17	
BUTYLENE GLYCOL		17	
alpha-Butylene glycol	BUTYLENE GLYCOL	17	
beta-Butylene glycol	BUTYLENE GLYCOL	17	
Butylene glycol momomethyl ether	3-METHOXY-1-BUTANOL	17	
Butylene glycol monomethyl ether acetate	3-METHOXYBUTYL ACETATE	17	
Butylene oxide	TETRAHYDROFURAN	17	
1,2-BUTYLENE OXIDE		17	3022
Butyl ester	BUTYL ACETATE (ALL ISOMERS)	17	
Butyl ethanoate	BUTYL ACETATE (ALL ISOMERS)	17	
Butyl ether	N-BUTYL ETHER	17	
N-BUTYL ETHER		17	1149
Butylethylacetic acid	OCTANOIC ACID (ALL ISOMERS)	17	
Butylethylene	HEXENE (ALL ISOMERS)	17	
tert-Butyl ethyl ether	ETHYL TERT-BUTYL ETHER	17	
Butylic ether	BUTYL ACETATE (ALL ISOMERS)	17	
iso-Butyl ketone	DIISOBUTYL KETONE	17	
BUTYL METHACRYLATE		17	
tert-Butyl methyl ether	METHYL TERT-BUTYL ETHER	17	
Butyl methyl ketone	METHYL BUTYL KETONE	17	
Butyl phthalate	DIBUTYL PHTHALATE	17	
N-BUTYL PROPIONATE		17	1914
BUTYRALDEHYDE (ALL ISOMERS)		17	1129
n-Butyraldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	
BUTYRIC ACID		17	2820
n-Butyric acid	BUTYRIC ACID	17	
Butyric alcohol	N-BUTYL ALCOHOL	18	
Butyric aldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	
GAMMA-BUTYROLACTONE		17	
Cajeputene	DIPENTENE	17	

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Calcium alkyl(longchain) salicylate (overbased) in mineral oil (LOA)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17	
Calcium alkyl salicylate	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17	
Calcium bis(O-alkylsalicylate)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17	
Calcium bromide / zinc bromide solution	DRILLING BRINES (CONTAINING ZINC SALTS)	17	
CALCIUM CARBONATE SLURRY		17	
CALCIUM HYDROXIDE SLURRY		17	
CALCIUM HYPOCHLORITE SOLUTION (15% OR LESS)		17	
CALCIUM HYPOCHLORITE SOLUTION (MORE THAN 15%)		17	
CALCIUM LIGNOSULPHONATE SOLUTIONS		17	
CALCIUM LONG-CHAIN ALKARYL SULPHONATE (C11-C50)		17	
CALCIUM LONG-CHAIN ALKYL(C5-C10) PHENATE		17	
CALCIUM LONG-CHAIN ALKYL(C11-C40) PHENATE		17	
CALCIUM LONG-CHAIN ALKYL PHENATE SULPHIDE (C8-C40)		17	
CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)		17	
CALCIUM NITRATE/MAGNESIUM NITRATE/POTASSIUM CHLORIDE SOLUTION		17	
CALCIUM NITRATE SOLUTIONS (50% OR LESS)		18	1454
Cane molasses	MOLASSES	18	
Capric acid	DECANOIC ACID	17	
Caproic acid	HEXANOIC ACID	17	
alpha-Caproic acid	OCTANOIC ACID (ALL ISOMERS)	17	
Caprolactam	EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS)	17	
EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)		17	
Caproyl alcohol	HEXANOL	17	
Capryl alcohol	OCTANOL (ALL ISOMERS)	17	
Caprylic acid	OCTANOIC ACID (ALL ISOMERS)	17	
Caprylyl acetate	N-OCTYL ACETATE	17	
Carbamide	UREA SOLUTION	17	
Carbinol	METHYL ALCOHOL	17	
Carbitol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER	17	
Carbitol solvent	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17	
Carbolic acid	PHENOL	17	
CARBOLIC OIL		17	
Carbon bisulphide	CARBON DISULPHIDE	17	
CARBON DISULPHIDE		17	1131
CARBON TETRACHLORIDE		17	1846
Carbonyldiamide	UREA SOLUTION	17	
Carbonyldiamine	UREA SOLUTION	17	
1,3-Carbonyl dioxypropane	PROPYLENE CARBONATE	18	
Carboxyethyliminobis(ethylenenitrilo)tetraacetic acid, pentasodium salt	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM	17	
CASHEW NUT SHELL OIL (UNTREATED)		17	
CASTOR OIL		17	
Caustic potash solution	POTASSIUM HYDROXIDE SOLUTION	17	
Caustic soda	SODIUM HYDROXIDE SOLUTION	17	

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Caustic soda solution	SODIUM HYDROXIDE SOLUTION	17	
Cellosolve acetate	2-ETHOXYETHYL ACETATE	17	
Cellosolve solvent	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
CETYL/EICOSYL METHACRYLATE MIXTURE		17	
Cetyl / stearyl alcohol	ALCOHOLS (C13+)	17	
China clay	KAOLIN SLURRY	18	
CHLORINATED PARAFFINS (C10-C13)		17	
CHLORINATED PARAFFINS (C14-C17) (WITH 50% CHLORINE OR MORE, AND LESS THAN 1% C13 OR SHORTER CHAINS)		17	
CHLOROACETIC ACID (80% OR LESS)		17	1750
alpha-Chloroallyl chloride	1,3-DICHLOROPROPENE	17	
Chloroallylene	ALLYL CHLORIDE	17	
CHLOROBENZENE		17	1134
Chlorobenzol	CHLOROBENZENE	17	
Chlorobromomethane	BROMOCHLOROMETHANE	17	
1-Chloro-2-(beta-chloroethoxy)ethane	DICHLOROETHYL ETHER	17	
1-Chloro-2,3-epoxypropane	EPICHLOROHYDRIN	17	
Chloroethanol-2	ETHYLENE CHLOROXYDRIN	17	
2-Chloroethanol	ETHYLENE CHLOROXYDRIN	17	
2-Chloro-N-ethoxymethyl-6'-ethylacet-o-toluidide	ACETOCHLOR	17	
2-Chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide	ACETOCHLOR	17	
2-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN	17	
beta-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN	17	
Chloroethyl ether	DICHLOROETHYL ETHER	17	
2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL	17	
2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL	17	
CHLOROFORM		17	1888
CHLOROXYDRINS (CRUDE)		17	
m-Chloromethylbenzene	M-CHLOROTOLUENE	17	
o-Chloromethylbenzene	O-CHLOROTOLUENE	17	
p-Chloromethylbenzene	P-CHLOROTOLUENE	17	
Chloromethylethylene oxide	EPICHLOROXYDRIN	17	
(2-Chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER	17	
2-Chloro-1-methylethyl ether	2,2'-DICHLOROISOPROPYL ETHER	17	
Chloromethyloxirane	EPICHLOROXYDRIN	17	
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S-Ethyl dipropyldithiocarbamate	S-ETHYL DIPROPYLTHIOCARBAMATE	17	
S-ETHYL DIPROPYLTHIOCARBAMATE		17	
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ETHYLENE GLYCOL		17	
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Ethylene glycol monobutyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol mono tert-butyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol monoethyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol monoethyl ether acetate	2-ETHOXYETHYL ACETATE	17	
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Ethylene glycol monomethyl ether acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17	
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2-ETHYLHEXYL ACRYLATE		17	
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5-Ethylidenebicyclo(2,2,1)hept-2-ene	ETHYLIDENE NORBORNENE	17	
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Ethylidene dichloride	1,1-DICHLOROETHANE	17	
ETHYLIDENE NORBORNENE		17	
ETHYL METHACRYLATE		17	2277
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2-Ethyl-6-methylbenzenamine	2-METHYL-6-ETHYL ANILINE	17	
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Ethyl oxide	DIETHYL ETHER	17	
Ethyl phosphate	TRIETHYL PHOSPHATE	17	
Ethyl phthalate	DIETHYL PHTHALATE	17	
5-Ethyl-2-picoline	2-METHYL-5-ETHYL PYRIDINE	17	
3-Ethylpropan-1-ol	PROPYLENE GLYCOL MONOALKYL ETHER	17	
Ethyl propenoate	ETHYL ACRYLATE	17	
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2-ETHYL-3-PROPYLACROLEIN		17	
Ethyl sulphate	DIETHYL SULPHATE	17	
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2,5-Furandione	MALEIC ANHYDRIDE	17	
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2-Furfuraldehyde	FURFURAL	17	
FURFURYL ALCOHOL		17	2874
Furylcarbinol	FURFURYL ALCOHOL	17	
Fused poly(2+)cyclic aromatic hydrocarbons.	POLY(2+)CYCLIC AROMATICS	17	
Gaultheria oil	METHYL SALICYLATE	17	
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D-Glucopyranoside C8-C14 alkyl	ALKYL (C8-C10)/(C12-C14):(60% OR MORE/40% OR LESS)	17	
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GLYCERINE		18	
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Glyceritol	GLYCERINE	18	
Glycerol	GLYCERINE	18	
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Glycidyl neodecanoate	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17	
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GLYCINE, SODIUM SALT SOLUTION		17	
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Glycol carbonate	ETHYLENE CARBONATE	18	
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GLYOXAL SOLUTION (40% OR LESS)		17	
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GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)		17	
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Hendecanoic acid	UNDECANOIC ACID	17	
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Heptamethylene	CYCLOHEPTANE	17	
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1-Heptanecarboxylic acid	OCTANOIC ACID (ALL ISOMERS)	17	
3-Heptanecarboxylic acid	OCTANOIC ACID (ALL ISOMERS)	17	
Heptanoic acid	N-HEPTANOIC ACID	17	
N-HEPTANOIC ACID		17	
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Heptan-2-one	METHYL AMYL KETONE	17	
2-Heptanone	METHYL AMYL KETONE	17	
Heptan-2-one	METHYL AMYL KETONE	17	
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n-Heptylic acid	N-HEPTANOIC ACID	17	
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Hexadecyl and icosyl methacrylate mixture	CETYL/EICOSYL METHACRYLATE MIXTURE	17	
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Hexadecyl, octadecyl and icosyl methacrylates, mixtures	CETYL/EICOSYL METHACRYLATE MIXTURE	17	
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Hexahydrobenzene	CYCLOHEXANE	17	
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1,6-Hexanediamine solutions	HEXAMETHYLENEDIAMINE SOLUTION	17	
Hexanedioic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE	17	
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1,6-Hexanediol	HEXAMETHYLENE GLYCOL	17	
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n-Hexane	HEXANE (ALL ISOMERS)	17	
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Hexan-6-olide	EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS)	17	
Hexan-2-one	METHYL BUTYL KETONE	17	
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Hexyldimethylamine	ALKYL (C12+) DIMETHYLAMINE	17	
Hexylene	HEXENE (ALL ISOMERS)	17	
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Hexyl ethanoate	HEXYL ACETATE	17	
Homopiperidine	HEXAMETHYLENEIMINE	17	
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Hydrogen sulphate	SULPHURIC ACID	17	
alpha-Hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)]	POLYPROPYLENE GLYCOL	17	
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Hydroxybenzene	PHENOL	17	
4-Hydroxybutanoic acid lactone	GAMMA-BUTYROLACTONE	17	
4-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE	17	
gamma-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE	17	
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Hydroxyethanoic acid	GLYCOLIC ACID SOLUTION (70% OR LESS)	17	
2-Hydroxyethyl acetate	ETHYLENE GLYCOL ACETATE	17	
2-HYDROXYETHYL ACRYLATE		17	
beta-Hydroxyethyl acrylate	2-HYDROXYETHYL ACRYLATE	17	
2-Hydroxyethylamine	ETHANOLAMINE	17	
N-beta-Hydroxyethylethylenediamine	AMINOETHYL ETHANOLAMINE	17	
N- (HYDROXYETHYL)ETHYLENEDIAMINET RIACETIC ACID, TRISODIUM SALT SOLUTION		17	
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2-Hydroxyethyl propenoate	2-HYDROXYETHYL ACRYLATE	17	
2-Hydroxyethyl 2-propenoate	2-HYDROXYETHYL ACRYLATE	17	
alpha-Hydroxyisobutyronitrile	ACETONE CYANOHYDRIN	17	
4-Hydroxy-2-keto-4-methylpentane	DIACETONE ALCOHOL	17	
4-Hydroxy-4-methylpentanone-2	DIACETONE ALCOHOL	17	
4-Hydroxy-4-methylpentan-2-one	DIACETONE ALCOHOL	17	
2-(Hydroxymethyl)propane	ISOBUTYL ALCOHOL	17	
2-Hydroxy-2-methylpropionitrile	ACETONE CYANOHYDRIN	17	
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2-Hydroxy-4-methylthiobutyric acid	2-HYDROXY-4-(METHYLTHIO)BUTANOIC ACID	17	
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Isobutyl methyl ketone	METHYL ISOBUTYL KETONE	17	
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Isopropylcarbinol	ISOBUTYL ALCOHOL	17	
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1-Methoxy-2-propanol acetate	PROPYLENE GLYCOL METHYL ETHER ACETATE	17	
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2-Methylacrylic acid, lauryl ester	DODECYL METHACRYLATE	17	
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3-Methylaniline	O-TOLUIDINE	17	
o-Methylaniline	O-TOLUIDINE	17	
2-Methylbenzenamine	O-TOLUIDINE	17	
3-Methylbenzenamine	O-TOLUIDINE	17	
o-Methylbenzenamine	O-TOLUIDINE	17	
Methylbenzene	TOLUENE	17	
Methylbenzenediamine	TOLUENEDIAMINE	17	
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3-Methyl-1,3-butadiene	ISOPRENE	17	
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3-Methylbutanal	VALERALDEHYDE (ALL ISOMERS)	17	
1-Methylbutane	PENTANE (ALL ISOMERS)	17	
2-Methylbutane	PENTANE (ALL ISOMERS)	17	
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3-Methyl-1-butanol	AMYL ALCOHOL, PRIMARY	17	
3-Methyl-1-butanol	ISOAMYL ALCOHOL	17	
3-Methylbutan-1-ol	AMYL ALCOHOL, PRIMARY	17	
3-Methylbutan-1-ol	ISOAMYL ALCOHOL	17	
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2-Methyl-4-butyl alcohol	ISOAMYL ALCOHOL	17	
3-Methyl-1-butyl alcohol	ISOAMYL ALCOHOL	17	
3-Methyl-3-butyl alcohol	TERT-AMYL ALCOHOL	17	
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2-Methyl-3-butyn-2-ol	METHYLBUTYNOL	17	
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2-Methylbut-3-yn-2-ol	METHYLBUTYNOL	17	
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3-Methylbutyraldehyde	VALERALDEHYDE (ALL ISOMERS)	17	
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Methyl 'cellosolve' acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17	
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Methyl-1,3-cyclopentadiene dimer	METHYLCYCLOPENTADIENE DIMER	17	
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MANGANESE TRICARBONYL			
METHYL DIETHANOLAMINE		17	
4-Methyl-1,3-dioxolan-2-one	PROPYLENE CARBONATE	18	
Methyl disulphide	DIMETHYL DISULPHIDE	17	
Methylenebis(4-cyanatobenzene)	DIPHENYLMETHANE DIISOCYANATE	17	
Methylenebis(phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	
Methylenebis(phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	
Methylenebis(p-phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	
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2-Methylenepropionic acid	METHACRYLIC ACID	17	
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1-Methylethyl acetate	ISOPROPYL ACETATE	17	
1-Methylethylamine	ISOPROPYLAMINE	17	
2-METHYL-6-ETHYL ANILINE		17	
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Methylethylene glycol	PROPYLENE GLYCOL	18	

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N-METHYLGLUCAMINE SOLUTION (70% OR LESS)		18	
Methyl glycol	PROPYLENE GLYCOL	18	
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5-Methylheptan-3-one	ETHYL AMYL KETONE	17	
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Methyl o-hydroxybenzoate	METHYL SALICYLATE	17	
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N-Methyl-2,2'-iminodiethanol	METHYL DIETHANOLAMINE	17	
Methyl isoamyl ketone	METHYL AMYL KETONE	17	
Methyl isobutenyl ketone	MESITYL OXIDE	17	
Methylisobutylcarbinol	METHYLAMYL ALCOHOL	17	
Methylisobutylcarbinol acetate	METHYLAMYL ACETATE	17	
METHYL ISOBUTYL KETONE		17	
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methyl mercaptopropionaldehyde	3-(METHYLTHIO)PROPIONALDEHYDE	17	
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7-Methyl-3-methylene-1,6-octadiene	MYRCENE	17	
Methyl 2-methylprop-2-enoate	METHYL METHACRYLATE	17	
METHYL NAPHTHALENE (MOLTEN)		17	
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beta-Methylnaphthalene	METHYL NAPHTHALENE (MOLTEN)	17	
(o- and p-) Methylnitrobenzene	O- OR P-NITROTOLUENES	17	
8-Methylnonan-1-ol	DECYL ALCOHOL (ALL ISOMERS)	17	
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alpha-Methyl-omega-methoxypoly(oxyethylene)	POLYETHYLENE GLYCOL DIMETHYL ETHER	17	
Methyloxirane	PROPYLENE OXIDE	17	
2-Methyl-2,4-pentanediol	HEXYLENE GLYCOL	18	
2-Methylpentane-2,4-diol	HEXYLENE GLYCOL	18	
Methylpentan-2-ol	METHYLAMYL ALCOHOL	17	
4-Methylpentanol-2	METHYLAMYL ALCOHOL	17	
4-Methylpentan-2-ol	METHYLAMYL ALCOHOL	17	
4-Methyl-2-pentanol acetate	METHYLAMYL ACETATE	17	
4-Methyl-2-pentanone	METHYL ISOBUTYL KETONE	17	
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4-Methylpent-3-en-2-one	MESITYL OXIDE	17	
4-Methyl-2-pentyl acetate	METHYLAMYL ACETATE	17	
Methylpentyl acetates	METHYLAMYL ACETATE	17	
Methyl tert-pentyl ether	TERT-AMYL METHYL ETHER	17	
Methyl pentyl ketone	METHYL AMYL KETONE	17	
Methylphenylenediamine	TOLUENEDIAMINE	17	
2-Methyl-m-phenylenediamine	TOLUENEDIAMINE	17	
4-Methyl-m-phenylenediamine	TOLUENEDIAMINE	17	
Methylphenylene diisocyanate	TOLUENE DIISOCYANATE	17	
4-methyl-1,3-phenylene diisocyanate	TOLUENE DIISOCYANATE	17	
4-Methyl-m-phenylene diisocyanate	TOLUENE DIISOCYANATE	17	
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2-Methylpropanal	BUTYRALDEHYDE (ALL ISOMERS)	17	
2-METHYL-1,3-PROPANEDIOL		17	
2-Methyl-1-propanol	ISOBUTYL ALCOHOL	17	
2-Methylpropan-1-ol	ISOBUTYL ALCOHOL	17	
2-Methyl-2-propanol	TERT-BUTYL ALCOHOL	17	
2-Methylpropan-2-ol	TERT-BUTYL ALCOHOL	17	
2-Methylprop-2-enenitrile	METHACRYLONITRILE	17	
2-Methylpropenoic acid	METHACRYLIC ACID	17	
alpha-Methylpropenoic acid	METHACRYLIC ACID	17	
2-Methylprop-1-enyl methyl ketone	MESITYL OXIDE	17	
2-Methylpropyl acrylate	BUTYL ACRYLATE (ALL ISOMERS)	17	
2-Methyl-1-propyl alcohol	ISOBUTYL ALCOHOL	17	
2-Methyl-2-propyl alcohol	TERT-BUTYL ALCOHOL	17	
Methylpropylbenzene	P-CYMENE	17	
Methylpropylcarbinol	SEC-AMYL ALCOHOL	17	
1-Methyl-1-propylethylene	HEXENE (ALL ISOMERS)	17	
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1,3-PENTADIENE		17	
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1-Phenyldodecane	ALKYL(C9+)BENZENES	17	
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POLY(4+)ISOBUTYLENE		17	
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d-Sorbitol	SORBITOL SOLUTION	18	
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Tri[2-hydroxyethyl]amine	TRIETHANOLAMINE	17	
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Trisodium 2-[carboxylatomethyl(2-hydroxyethyl)amino]ethyliminodi(acetate)	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID,	17	
Trisodium N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycine	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID,	17	
Trisodium N-(2-hydroxyethyl)ethylenediamine-N,N',N'-triacetate	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID,	17	
Trisodium nitrilotriacetate solution	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION	17	
Trityl phosphate, containing less than 1% ortho-isomer	TRICRESYL PHOSPHATE (CONTAINING LESS THAN 1%	17	
Trityl phosphate, containing 1% or more ortho-isomer	TRICRESYL PHOSPHATE (CONTAINING 1% OR MORE	17	
Trixylenyl phosphate	TRIXYLYL PHOSPHATE	17	
TRIXYLYL PHOSPHATE		17	
TUNG OIL		17	
TURPENTINE		17	1299
Turpentine oil	TURPENTINE	17	
Turps	TURPENTINE	17	
Type A Zeolite	SODIUM ALUMINOSILICATE SLURRY	17	
Undecane	N-ALKANES (C10+)	17	
1-Undecanecarboxylic acid	LAURIC ACID	17	
UNDECANOIC ACID		17	
Undecan-1-ol	UNDECYL ALCOHOL	17	
Undec-1-ene	1-UNDECENE	17	
1-UNDECENE		17	
UNDECYL ALCOHOL		17	
Undecylbenzene	ALKYL(C9+)BENZENES	17	
Undecylic acid	UNDECANOIC ACID	17	
n-Undecylic acid	UNDECANOIC ACID	17	
uns-Trimethylbenzene	TRIMETHYLBENZENE (ALL ISOMERS)	17	
Urea, ammonia liquor	UREA/AMMONIUM NITRATE SOLUTION (CONTAINING LESS	17	
Urea, ammonium carbamate solutions	UREA/AMMONIUM NITRATE SOLUTION (CONTAINING LESS	17	
UREA/AMMONIUM NITRATE SOLUTION		17	
UREA/AMMONIUM NITRATE SOLUTION (CONTAINING LESS THAN 1% FREE AMMONIA)		17	
UREA/AMMONIUM PHOSPHATE SOLUTION		17	
UREA SOLUTION		17	

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Valeral	VALERALDEHYDE (ALL ISOMERS)	17	
VALERALDEHYDE (ALL ISOMERS)		17	2058
n-Valeraldehyde	VALERALDEHYDE (ALL ISOMERS)	17	
Valerianic acid	PENTANOIC ACID	17	
Valeric acid	PENTANOIC ACID	17	
n-Valeric acid	PENTANOIC ACID	17	
Valeric aldehyde	VALERALDEHYDE (ALL ISOMERS)	17	
Valerone	DIISOBUTYL KETONE	17	
Varnoline	WHITE SPIRIT, LOW (15-20%) AROMATIC	17	
VEGETABLE ACID OILS (M)		17	
VEGETABLE FATTY ACID DISTILLATES (M)		17	
VEGETABLE PROTEIN SOLUTION (HYDROLYSED)		18	
Vinegar acid	ACETIC ACID	17	
Vinegar naphtha	ETHYL ACETATE	17	
VINYL ACETATE		17	1301
Vinylbenzene	STYRENE MONOMER	17	
Vinylcarbinol	ALLYL ALCOHOL	17	
Vinyl cyanide	ACRYLONITRILE	17	
vinyl ethanoate	VINYL ACETATE	17	
VINYL ETHYL ETHER		17	1302
Vinylformic acid	ACRYLIC ACID	17	
VINYLDENE CHLORIDE		17	1303
VINYL NEODECANOATE		17	
VINYLTOLUENE		17	2618
Vinyl trichloride	1,1,2-TRICHLOROETHANE	17	
Vinyltrichloride	1,1,2-TRICHLOROETHANE	17	
Vitriol brown oil	OLEUM	17	
WATER		18	
Water glass	SODIUM SILICATE SOLUTION	17	
WAXES		17	
White bole	KAOLIN SLURRY	18	
White caustic	SODIUM HYDROXIDE SOLUTION	17	
WHITE SPIRIT, LOW (15-20%) AROMATIC		17	1300
White tar	NAPHTHALENE (MOLTEN)	17	
Wine	ALCOHOLIC BEVERAGES, N.O.S.	18	
Wintergreen oil	METHYL SALICYLATE	17	
Wood alcohol	METHYL ALCOHOL	17	
Wood naphtha	METHYL ALCOHOL	17	
Wood spirit	METHYL ALCOHOL	17	
XYLENES		17	1307
XYLENES/ETHYLBENZENE (10% OR MORE) MIXTURE		17	
XYLENOL		17	2261
2,3-Xylenol	XYLENOL	17	
2,4-Xylenol	XYLENOL	17	
2,5-Xylenol	XYLENOL	17	
2,6-Xylenol	XYLENOL	17	
3,4-Xylenol	XYLENOL	17	
3,5-Xylenol	XYLENOL	17	
Xylols	XYLENES	17	
ZINC ALKARYL DITHIOPHOSPHATE (C7-C16)		17	

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ZINC ALKENYL CARBOXAMIDE			17
ZINC ALKYL DITHIOPHOSPHATE (C3-C14)			17
Zinc bromide drilling brine	DRILLING BRINES (CONTAINING ZINC SALTS)		17
z-Octadec-9-enamine	OLEYLAMINE		17
(Z)-Octadec-9-enoic acid	OLEIC ACID		17
Z-Octadec-9-enoic acid	OLEIC ACID		17
z-Octadec-9-enylamine	OLEYLAMINE		17
z-1,3-Pentadiene	1,3-PENTADIENE		17
