

RESOLUTION MSC.340(91)
(adopted on 30 November 2012)
AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND
EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (IBC CODE)

RESOLUTION MSC.340(91)
(adopted on 30 November 2012)

**AMENDMENTS TO THE INTERNATIONAL CODE FOR
THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING
DANGEROUS CHEMICALS IN BULK (IBC CODE)**

THE MARITIME SAFETY COMMITTEE,

RECALLING Article 28(b) of the Convention on the International Maritime Organization concerning the functions of the Committee,

NOTING resolution MSC.4(48), by which it adopted the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (hereinafter referred to as "the IBC Code"), which has become mandatory under chapter VII of the International Convention for the Safety of Life at Sea (SOLAS), 1974 (hereinafter referred to as "the Convention"),

NOTING ALSO Article VIII(b) and regulation VII/8.1 of the Convention concerning the procedure for amending the IBC Code,

CONSIDERING that it is highly desirable for the requirements of the IBC Code, which are mandatory under both the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78) and the Convention, to remain identical,

NOTING that the Marine Environment Protection Committee, at its sixty-fourth session, adopted corresponding amendments to the IBC Code by resolution MEPC.225(64),

HAVING CONSIDERED, at its ninety-first session, amendments to the IBC Code proposed and circulated in accordance with Article VIII(b)(i) of the Convention,

1. ADOPTS, in accordance with Article VIII(b)(iv) of the Convention, amendments to the IBC Code, the text of which is set out in the annex to the present resolution;
2. DETERMINES, in accordance with Article VIII(b)(vi)(2)(bb) of the Convention, that the amendments shall be deemed to have been accepted on 1 December 2013 unless, prior to that date, more than one third of the Contracting Governments to the Convention or Contracting Governments the combined merchant fleets of which constitute not less than 50 per cent of the gross tonnage of the world's merchant fleet, have notified their objections to the amendments;
3. INVITES Contracting Governments to note that, in accordance with Article VIII(b)(vii)(2) of the Convention, the amendments shall enter into force on 1 June 2014 upon their acceptance in accordance with paragraph 2 above;
4. REQUESTS the Secretary-General, in conformity with Article VIII(b)(v) of the Convention, to transmit certified copies of the present resolution and the text of the amendments contained in the annex to all Contracting Governments to the Convention;
5. ALSO REQUESTS the Secretary-General to transmit copies of this resolution and its annex to Members of the Organization which are not Contracting Governments to the Convention.

ANNEX

AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (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)	Temperature classes (i') T1 to T6 – indicates no requirements blank no information Apparatus group (i'') IIA, IIB or IIC: – indicates no requirements blank no information Flashpoint (i''') (10.1.6) Yes: flashpoint exceeding 60°C (10.1.6) No: flashpoint not exceeding 60°C NF: non-flammable product (10.1.6)
Gauging (column j)	O: open gauging (13.1.1.1) R: restricted gauging (13.1.1.2) C: closed gauging (13.1.1.3)
Vapour detection (column k)	F: flammable vapours T: toxic vapours No: indicates no special requirements under this Code
Fire protection (column l)	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
Materials of construction (column m)	Deleted
Emergency equipment (column n)	Yes: see 14.3.1 No: no special requirements under this Code
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

Chapter 17 of the IBC Code

Page 1 of 26

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	FT	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	FT	A	No	15.12, 15.19.6
Acetonitrile (Low purity grade)	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	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, 16.2.9, 16.6.1
Acrylic acid	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	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, 16.2.9, 16.6.1
Acrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	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	15.19.6, 16.2.9
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 (C12+), primary, linear	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 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, 15.12.4, 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	T3	IIA	No	R	F	A	No	15.19.6
Iso- and cyclo-alkanes (C10-C11)	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6
Iso- and cyclo-alkanes (C12+)	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	
Alkanes(C10-C26), linear and branched, (flashpoint >60°C)	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6

Chapter 17 of the IBC Code

Page 2 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
n-Alkanes (C10+)	Y	P	3	2G	Cont	No	T3	IIA	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
Alkenoic acid, polyhydroxy ester borated	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 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	T4	IIB	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	FT	ABC	No	15.12, 15.17, 15.19.6
Alkyl (C3-C4) benzenes	Y	P	2	2G	Cont	No	T4	IIA	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	15.19.6, 16.2.6, 16.2.9
Alkyl (C12+) dimethylamine	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	BCD	Yes	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	
Alkyl (C8-C9) phenylamine in aromatic solvents	Y	P	2	2G	Cont	No	T4	IIB	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) polyglucoside solution (65% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.6
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.6, 16.2.9

Chapter 17 of the IBC Code

Page 3 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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(C12-C16) propoxyamine ethoxylate	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 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
Alkyl (C18+) toluenes	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Alkyl(C18-C28)toluenesulfonic acid	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alkyl(C18-C28)toluenesulfonic acid, calcium salts, borated	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Alkyl (C18-C28) toluenesulfonic acid, calcium salts, low overbase	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Allyl alcohol	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	A	Yes	15.12, 15.17, 15.19
Allyl chloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	A	Yes	15.12, 15.17, 15.19
Aluminium chloride/Hydrogen chloride solution	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.11, 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 chloride solution (less than 25%) (*)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
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	T4	IIB	No	C	FT	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	T2	IIA	No	R	F	A	No	15.19.6
n-Amyl alcohol	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	AB	No	
Amyl alcohol, primary	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	AB	No	

Chapter 17 of the IBC Code

Page 4 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
sec-Amyl alcohol	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	AB	No	
tert-Amyl alcohol	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	
tert-Amyl methyl ether	X	P	2	2G	Cont	No	T2	IIB	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	T4	IIA	No	R	F	B	No	15.19.6
Barium long chain (C11-C50) alkaryl sulphionate	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	FT	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
Bio-fuel blends of Diesel/gas oil and Alkanes (C10-C26), linear and branched with a flashpoint >60°C (>25% but <99% by volume)	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Diesel/gas oil and Alkanes (C10-C26), linear and branched with a flashpoint ≤ 60°C (>25% but <99% by volume)	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Diesel/gas oil and FAME (>25% but <99% by volume)	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Diesel/gas oil and vegetable oil (>25% but <99% by volume)	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Bio-fuel blends of Gasoline and Ethyl alcohol (>25% but <99% by volume)	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	A	No	15.12, 15.17, 15.19.6
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	T2	IIA	No	R	F	A	No	15.19.6
Butyl acrylate (all isomers)	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
tert-Butyl alcohol	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	A	No	
Butylamine (all isomers)	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	A	Yes	15.12, 15.17, 15.19.6
Butylbenzene (all isomers)	X	P	2	2G	Cont	No	T4	IIA	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	T1	IIA	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, 15.19.6, 16.6.1, 16.6.2

Chapter 17 of the IBC Code

Page 5 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	FT	A	No	15.4.6, 15.12, 15.19.6
Butyl methacrylate	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2
n-Butyl propionate	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Butyraldehyde (all isomers)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	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 alkaryl sulphonate (C11-C50)	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Calcium alkyl (C10-C28) salicylate	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
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 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	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Calcium long-chain alkyl salicylate (C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
Calcium long-chain alkyl (C18-C28) salicylate	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
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	FT	A	No	15.12, 15.19.6, 16.2.9
Carbon disulphide	Y	S/P	2	1G	Cont	Pad+ine rt	T6	IIC	No	C	FT	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/P	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	15.19.6, 16.2.6, 16.2.9
Cesium formate solution (*)	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 15.19.6, 16.2.9, 16.6.1, 16.6.2
Chlorinated paraffins (C10-C13)	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6

Chapter 17 of the IBC Code

Page 6 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	FT	AB	No	15.19.6
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	T3	IIA	No	C	FT	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	T4	IIA	No	R	FT	AB	No	15.19.6
o-Chlorotoluene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.19.6
p-Chlorotoluene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.19.6, 16.2.9
Chlorotoluenes (mixed isomers)	Y	S/P	2	2G	Cont	No	T4	IIA	No	R	FT	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	FT	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

Chapter 17 of the IBC Code

Page 7 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Cresylic acid, sodium salt solution	Y	S/P	2	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9
Crotonaldehyde	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	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	T4	IIA	No	R	F	A	No	15.19.6
Cyclohexane	Y	P	2	2G	Cont	No	T3	IIA	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	FT	A	No	15.19.6
Cyclohexanone, Cyclohexanol mixture	Y	S/P	3	2G	Cont	No			Yes	R	FT	A	No	15.19.6
Cyclohexyl acetate	Y	P	3	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6
Cyclohexylamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	AC	No	15.19.6
1,3-Cyclopentadiene dimer (molten)	Y	P	2	2G	Cont	No	T1	IIB	No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Cyclopentane	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Cyclopentene	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
p-Cymene	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Decahydronaphthalene	Y	P	2	2G	Cont	No	T3	IIA	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	T3	IIA	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)
Decyl/Dodecyl/Tetradecyl alcohol mixture	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
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	T1	IIA	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
Dialkyl (C9 - C10) phthalates	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Dialkyl thiophosphates sodium salts solution	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
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	FT	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	ABC D	No	15.19, 16.2.9

Chapter 17 of the IBC Code

Page 8 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Dibutyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dibutyl terephthalate	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Dichlorobenzene (all isomers)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	T	ABD	No	15.19.6
3,4-Dichloro-1-butene	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	Yes	15.12.3, 15.17, 15.19.6
1,1-Dichloroethane	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	A	Yes	15.19.6
Dichloroethyl ether	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	A	No	15.19.6
1,6-Dichlorohexane	Y	S/P	2	2G	Cont	No	-	-	Yes	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	T4	IIA	No	R	FT	AB	No	15.12, 15.19.6
1,2-Dichloropropane	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.12, 15.19.6
1,3-Dichloropropene	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AB	Yes	15.12, 15.17, 15.18, 15.19
Dichloropropene/Dichloropropane mixtures	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	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
Dicyclopentadiene, Resin Grade, 81-89%	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
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	FT	A	Yes	15.12, 15.19.6
Diethylaminoethanol	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	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	T2	IIA	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	FT	A	Yes	15.4, 15.14, 15.19

Chapter 17 of the IBC Code

Page 9 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Di-(2-ethylhexyl) adipate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
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	T4	IIB	No	R	FT	ACD	No	15.12.3, 15.19.6
Diisobutylene	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Diisobutyl ketone	Y	P	3	2G	Cont	No	T2	IIA	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	FT	A	Yes	15.12, 15.19
Diisopropylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Diisopropylnaphthalene	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	FT	ACD	No	15.12, 15.19.6
Dimethylamine solution (greater than 45% but not greater than 55%)	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	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	T2	IIB	No	C	FT	ACD	Yes	15.12, 15.14, 15.17, 15.19
N,N-Dimethylcyclohexylamine	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	AC	No	15.12, 15.17, 15.19.6
Dimethyl disulphide	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	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	FT	AD	No	15.19.6
Dimethylformamide	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AD	No	15.19.6
Dimethyl glutarate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6

Chapter 17 of the IBC Code

Page 10 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	AB	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
Diethyl 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	FT	A	No	15.12, 15.19, 16.2.9
Dipentene	Y	P	3	2G	Cont	No	T3	IIA	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	T3	IIB	No	R	FT	A	No	15.12.3, 15.19.6
Dipropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
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
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	T3	IIA	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

Chapter 17 of the IBC Code

Page 11 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.13, 15.19.6, 16.2.6, 16.6.1, 16.6.2
Dodecyl/Pentadecyl 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
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	T2	IIB	No	C	FT	A	Yes	15.12, 15.17, 15.19
Ethanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	FT	A	No	16.2.9
2-Ethoxyethyl acetate	Y	P	3	2G	Cont	No	T2	IIA	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
Ethoxylated tallow amine (> 95%)	X	S/P	2	2G	Cont	Inert	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Ethyl acetate	Z	P	3	2G	Cont	No	T2	IIA	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	FT	A	Yes	15.13, 15.19.6, 16.6.1, 16.6.2
Ethylamine	Y	S/P	2	1G	Cont	No	T2	IIA	No	C	FT	CD	Yes	15.12, 15.14, 15.19.6
Ethylamine solutions (72% or less)	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.14, 15.17, 15.19
Ethyl amyl ketone	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Ethylbenzene	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Ethyl tert-butyl ether	Y	P	3	2G	Cont	No	T2	IIB	No	R	F	A	No	15.19.6
Ethyl butyrate	Y	P	3	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6
Ethylcyclohexane	Y	P	2	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6
N-Ethylcyclohexylamine	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	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	FT	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

Chapter 17 of the IBC Code

Page 12 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Ethylenediamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	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	FT	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	T2	IIB	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	FT	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	T2	IIA	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	T3	IIA	No	R	FT	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
Ethylidene norbornene	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	AD	No	15.12.1, 15.19.6
Ethyl methacrylate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	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	T1	IIA	No	R	F	A	No	15.19.6
2-Ethyl-3-propylacrolein	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	A	No	15.19.6, 16.2.9
Ethyl toluene	Y	P	2	2G	Cont	No	T4	IIA	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, (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, (C12+)	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, (C16+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6

Chapter 17 of the IBC Code

Page 13 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Fatty acids, essentially linear (C6-C18) 2-ethylhexyl ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
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	FT	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 (85% or less acid)	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T(g)	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, 15.19.6, 16.2.9
Formic acid (over 85%)	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT (g)	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, 15.19.6, 16.2.9
Formic acid mixture (containing up to 18% propionic acid and up to 25% sodium formate)	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T(g)	AC	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.19.6
Furfural	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	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	
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	T3	IIA	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	T3	IIA	No	R	F	A	No	15.19.6

Chapter 17 of the IBC Code

Page 14 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Heptene (all isomers)	Y	P	3	2G	Cont	No	T4	IIA	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 (molten)	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.18, 15.19, 16.2.9
Hexamethylenediamine adipate (50% in water)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
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, 15.16.2, 15.17, 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	T4	IIB	No	R	FT	AC	No	15.19.6
Hexane (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	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	T3	IIA	No	R	F	A	No	15.19.6
Hexyl acetate	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Hydrochloric acid	Z	S/P	3	1G	Cont	No			NF	R	T	No	Yes	15.11
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	T2	IIA	No	R	F	AB	No	
Isobutyl alcohol	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	AB	No	
Isobutyl formate	Z	P	3	2G	Cont	No	T4	IIA	No	R	F	AB	No	
Isobutyl methacrylate	Z	P	3	2G	Cont	No	T2	IIA	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

Chapter 17 of the IBC Code

Page 15 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Isopropanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	FT	A	No	15.19.6, 16.2.6, 16.2.9
Isopropyl acetate	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	
Isopropylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	CD	Yes	15.12, 15.14, 15.19
Isopropylamine (70% or less) solution	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	CD	Yes	15.12, 15.19.6, 16.2.9
Isopropylcyclohexane	Y	P	2	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6, 16.2.9
Isopropyl ether	Y	S/P	3	2G	Cont	Inert	T2	IIA	No	R	F	A	No	15.4.6, 15.13.3, 15.19.6
Jatropha oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
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, 16.6.2, 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, magnesium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Ligninsulphonic acid, sodium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
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	FT	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, 16.2.9
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	FT	A	No	15.19.6
Metam sodium solution	X	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19
Methacrylic acid	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.13, 15.19.6, 16.2.9, 16.6.1

Chapter 17 of the IBC Code

Page 16 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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 resin in ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AB	No	15.19, 16.2.9
Methacrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	A	Yes	15.12, 15.13, 15.17, 15.19
3-Methoxy-1-butanol	Z	P	3	2G	Cont	No	T2	IIA	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	T1	IIA	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	FT	A	Yes	15.13, 15.19.6, 16.6.1, 16.6.2
Methyl alcohol	Y	P	3	2G	Cont	No	T1	IIA	No	R	F	A	No	15.19.6
Methylamine solutions (42% or less)	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ACD	Yes	15.12, 15.17, 15.19
Methylamyl acetate	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Methylamyl alcohol	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Methyl amyl ketone	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
N-Methylaniline	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
alpha-Methylbenzyl alcohol with acetophenone (15% or less)	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Methylbutenol	Y	P	3	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6, 16.2.9
Methyl tert-butyl ether	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	
Methyl butyl ketone	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AB	No	15.19.6
Methylbutynol	Z	P	3	2G	Cont	No	T4	IIB	No	R	F	A	No	
Methyl butyrate	Y	P	3	2G	Cont	No	T4	IIA	No	R	F	A	No	15.19.6
Methylcyclohexane	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6
Methylcyclopentadiene dimer	Y	P	2	2G	Cont	No	T4	IIB	No	R	F	B	No	15.19.6
Methylcyclopentadienyl manganese tricarbonyl	X	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABC D	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	T1	IIA	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	T1	IIA	No	R	FT	A	Yes	15.12, 15.14, 15.19
2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less)	Z	S	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19

Chapter 17 of the IBC Code

Page 17 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
2-Methyl-2-hydroxy-3-butyne	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	ABD	No	15.19.6, 16.2.9
Methyl isobutyl ketone	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	
Methyl methacrylate	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	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	T1	IIA	No	C	F	A	No	15.12.3, 15.19.6
3-Methylpyridine	Z	S/P	2	2G	Cont	No	T1	IIA	No	C	F	AC	No	15.12.3, 15.19
4-Methylpyridine	Z	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	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	FT	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	FT	BC	Yes	15.12, 15.17, 15.19
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 compound (containing lead alkyls)	X	S/P	1	1G	Cont	No	T4	IIA	No	C	FT	AC	Yes	15.6, 15.12, 15.18, 15.19
Myrcene	X	P	2	2G	Cont	No	T3	IIA	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	T2	IIB	No	R	FT	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	T2	IIB	No	R	FT	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	T2	IIB	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	FT	A	No	15.19.6

Chapter 17 of the IBC Code

Page 18 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Nitropropane (60%)/Nitroethane (40%) mixture	Y	S/P	3	2G	Cont	No	T4	IIB	No	R	FT	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	T4	IIA	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
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
Nonene (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	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
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(I)
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(I)
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(I)
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(I)
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	
Octamethylcyclotetrasiloxane	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Octane (all isomers)	X	P	2	2G	Cont	No	T3	IIA	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	T3	IIA	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	2	2G	Cont	No	T4	IIB	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 Mixture (C7-C9) C8 rich, stabilised	X	S/P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
Olefin mixtures (C5-C7)	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6

Chapter 17 of the IBC Code

Page 19 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Olefin mixtures (C5-C15)	X	P	2	2G	Cont	No	T3	IIA	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	T4	IIA	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
Palm kernel acid oil	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm kernel fatty acid distillate	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.19.6, 16.2.6, 16.2.9
Palm kernel oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	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
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	T4	IIB	No	C	FT	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	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
1,3-Pentadiene (greater than 50%), cyclopentene and isomers, mixtures	Y	S/P	2	2G	Cont	Inert	T3	IIB	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
Pentaethylenehexamine	X	S/P	2	2G	Open	No			Yes	O	No	B	Yes	15.19
Pentane (all isomers)	Y	P	3	2G	Cont	No	T2	IIA	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

Chapter 17 of the IBC Code

Page 20 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Pentene (all isomers)	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	15.14, 15.19.6
n-Pentyl propionate	Y	P	3	2G	Cont	No	T4	IIA	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	T4	IIB	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
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	15.19.6, 16.2.6, 16.2.9
alpha-Pinene	X	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6
beta-Pinene	X	P	2	2G	Cont	No	T4	IIB	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, 16.2.9
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	T4	IIB	No	R	F	AB	No	15.19.6, 16.2.6, 16.2.9
Polyalkylalkenaminesuccinimide, molybdenum oxysulphide	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
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	
Poly(ethylene glycol) methylbutenyl ether (MW>1000)	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
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	15.19.6, 16.2.9

Chapter 17 of the IBC Code

Page 21 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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
Polyisobutenamine in aliphatic (C10-C14) solvent	Y	P	3	2G	Open	No	T3	IIA	Yes	O	No	A	No	15.19.6
Polyisobutenyl 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
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
Polyolefin amide alkeneamine polyol	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	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	T4	IIB	No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
Polyolefinamine in aromatic solvent	Y	P	2	2G	Cont	No	T4	IIB	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	T4	IIB	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	15.19.6, 16.2.9
2-Propene-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer solution	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	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	T4	IIB	No	R	FT	A	Yes	15.17, 15.19.6

Chapter 17 of the IBC Code

Page 22 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	FT	AD	Yes	15.12, 15.17, 15.18, 15.19
n-Propyl acetate	Y	P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	15.19.6
n-Propyl alcohol	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
n-Propylamine	Z	S/P	2	2G	Cont	Inert	T2	IIA	No	C	FT	AD	Yes	15.12, 15.19
Propylbenzene (all isomers)	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Propylene glycol methyl ether acetate	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	
Propylene glycol monoalkyl ether	Z	P	3	2G	Cont	No	T3	IIA	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	FT	AC	No	15.8, 15.12.1, 15.14, 15.19
Propylene tetramer	X	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6
Propylene trimer	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19.6
Pyridine	Y	S/P	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	FT	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
Rapeseed oil (low erucic acid containing less than 4% free fatty acids)	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
Resin oil, distilled	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.17, 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 bromide solution (less than 50%) (*)	Y	S/P	3	2G	Open	No	-	-	NF	R	No	No	No	15.19.6
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, 15.19.6, 16.2.9

Chapter 17 of the IBC Code

Page 23 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	T4	IIB	No	C	FT	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
Sodium methylate 21-30% in methanol	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.6(only if >28%), 16.2.9
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	FT	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	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 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	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6

Chapter 17 of the IBC Code

Page 24 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	FT	A	No	15.19.6
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	T1	IIA	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, 16.2.6, 16.2.9
Toluene diisocyanate	Y	S/P	2	2G	Cont	Dry	T1	IIA	Yes	C	FT	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, 16.2.6, 16.2.9
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	FT	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

Chapter 17 of the IBC Code

Page 25 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Triethyl phosphate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Triethyl phosphite	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	AB	No	15.12.1, 15.19.6, 16.2.9
Triisopropanolamine	Z	P	3	2G	Open	No			Yes	O	No	A	No	
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	T3	IIB	No	C	FT	AC	Yes	15.12, 15.14, 15.19, 16.2.9
Trimethylbenzene (all isomers)	X	P	2	2G	Cont	No	T1	IIA	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	T2	IIB	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	T1	IIA	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	FT	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	FT	A	Yes	15.4, 15.13, 15.14, 15.19.6, 16.6.1, 16.6.2
Vinylidene chloride	Y	S/P	2	2G	Cont	Inert	T2	IIA	No	R	FT	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	T1	IIA	No	R	F	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2

Chapter 17 of the IBC Code

Page 26 of 26

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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	T3	IIA	No	R	F	A	No	15.19.6, 16.2.9
Wood lignin with sodium acetate/oxalate	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	
Xylenes	Y	P	2	2G	Cont	No	T1	IIA	No	R	F	A	No	15.19.6, 16.2.9 (h)
Xylenes/ethylbenzene (10% or more) mixture	Y	P	2	2G	Cont	No	T2	IIA	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, animal fats and fish oils specified in the IBC Code.

* Indicates that with reference to chapter 21 of the IBC Code (paragraph 21.1.3), deviations from the normal assignment criteria used for some carriage requirements have been implemented.

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.

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. OS means the product was evaluated and found to fall outside Categories X, Y, or Z.

Chapter 18 of the IBC Code

Page 1 of 2

Product Name	Pollution Category
Acetone	Z
Alcoholic beverages, n.o.s.	Z
Apple juice	OS
n-Butyl alcohol	Z
sec-Butyl alcohol	Z
Calcium carbonate slurry	OS
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
Glycerol ethoxylated	OS
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
Microsilica slurry	OS
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
Orange juice (concentrated)	OS
Orange juice (not concentrated)	OS
Polyaluminium chloride solution	Z
Polyglycerin, sodium salt solution (containing less than 3% sodium hydroxide)	Z
Potassium chloride solution (less than 26%)	OS
Potassium formate solutions	Z
Propylene carbonate	Z
Propylene glycol	Z
Sodium acetate solutions	Z
Sodium bicarbonate solution (less than 10%)	OS
Sodium sulphate solutions	Z
Sorbitol solution	OS
Sulphonated polyacrylate solution	Z
Tetraethyl silicate monomer/oligomer (20% in ethanol)	Z
Triethylene glycol	Z
Vegetable protein solution (hydrolysed)	OS

Chapter 18 of the IBC Code

Page 2 of 2

Product Name

Pollution Category

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 capitals 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 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.

19.2 Following a review of chapter 19, a column listing UN numbers which was previously included has been removed from the Index. Since UN numbers are only available for a limited number of Index Names and there are inconsistencies between some of the names used in chapter 19 and those linked to UN numbers, it was decided to remove UN number references in order to avoid any confusion.

19.3 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 the Product Name on the shipping document.

19.4 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

19.5 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-	
S-	
sym-	(symmetrical)
uns-	(unsymmetrical)
dl-	
D-	
L-	
cis-	
trans-	
(E)-	
(Z)-	
alpha-	(α -)
beta-	(β -)
gamma-	(γ -)
epsilon	(ϵ -)
omega	(ω -)

- 2 -

19.6 The Index utilizes a note after the index name for some entries (shown as (a) or (b)) which indicates that the following qualifications apply:

- (a) this Index Name represents a subset of the corresponding Product Name.
- (b) The Product Name corresponding to this Index Name contains a carbon chain length qualification. Since the Index Name should always represent a subset or be an exact synonym of the corresponding Product Name, the carbon chain length characteristics should be checked for any product identified by this Index Name.

Chapter 19 of the IBC Code

Page 1 of 53

Index Name	Product Name	Chapter
Abietic anhydride	ROSIN	17
acedimethylamide	N,N-DIMETHYLACETAMIDE	17
Acetaldehyde cyanohydrin solution (80% or less)	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
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
ACETONITRILE		17
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
Acroleic acid	ACRYLIC ACID	17
ACRYLAMIDE SOLUTION (50% OR LESS)		17
ACRYLIC ACID		17
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
ACRYLONITRILE-STYRENE COPOLYMER DISPERSION IN POLYETHER POLYOL		17
Adipic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE	17
ADIPONITRILE		17
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 (a)	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

Chapter 19 of the IBC Code

Page 2 of 53

Index Name	Product Name	Chapter
ALCOHOL (C6-C17) (SECONDARY) POLY(3-6) ETHOXYLATES		17
ALCOHOL (C6-C17) (SECONDARY) POLY(7-12) ETHOXYLATES		17
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 (C12+), PRIMARY, LINEAR		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
ALKANES(C10-C26), LINEAR AND BRANCHED, (FLASHPOINT >60°C)		17
N-ALKANES (C10+)		17
Alkane(C10-C18)sulfonic acid, phenyl ester (a)	ALKYL SULPHONIC ACID ESTER OF PHENOL	17
ALKARYL POLYETHERS (C9-C20)		17
ALKENOIC ACID, POLYHYDROXY ESTER BORATED		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
ALKYLBENZENE, ALKYLINDANE, ALKYLINDENE MIXTURE (EACH C12-C17)		17
ALKYL BENZENE DISTILLATION BOTTOMS		17
ALKYLBENZENE MIXTURES (CONTAINING AT LEAST 50% OF TOLUENE)		17
ALKYL (C3-C4) BENZENES		17
ALKYL (C5-C8) BENZENES		17
ALKYL(C9+)BENZENES		17
ALKYL (C11-C17) BENZENE SULPHONIC ACID		17
ALKYLBENZENE SULPHONIC ACID, SODIUM SALT SOLUTION		17
ALKYL (C12+) DIMETHYLAMINE		17
ALKYL DITHIOCARBAMATE (C19-C35)		17
ALKYLDITHIOTHIADIAZOLE (C6-C24)		17
ALKYL ESTER COPOLYMER (C4-C20)		17

Chapter 19 of the IBC Code

Page 3 of 53

Index Name	Product Name	Chapter
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
ALKYL (C7-C9) NITRATES		17
2,2'- [3-(Alkyl(C16-C18)oxy)propylimino]diethanol (a)	ETHOXYLATED LONG CHAIN (C16+) ALKYOXYALKYLAMINE	17
ALKYL(C7-C11)PHENOL POLY(4-12) ETHOXYLATE		17
ALKYL (C8-C40) PHENOL SULPHIDE		17
ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS		17
ALKYL (C9-C15) PHENYL PROPOXYLATE		17
ALKYL (C8-C10) POLYGLUCOSIDE SOLUTION (65% OR LESS)		17
ALKYL (C8-C10)/(C12-C14):(50%/50%) POLYGLUCOSIDE SOLUTION (55% OR LESS)		17
ALKYL (C12-C14) POLYGLUCOSIDE SOLUTION (55% OR LESS)		17
ALKYL(C12-C16) PROPOXYAMINE ETHOXYLATE		17
ALKYL(C10-C20, SATURATED AND UNSATURATED) PHOSPHITE		17
ALKYL SULPHONIC ACID ESTER OF PHENOL		17
ALKYL (C18+) TOLUENES		17
ALKYL(C18-C28)TOLUENESULFONIC ACID		17
ALKYL(C18-C28)TOLUENESULFONIC ACID, CALCIUM SALTS, BORATED		17
Alkyltoluenesulfonic acid, calcium salts, high overbase (up to 70% in mineral oil)	ALKYL (C18-C28) TOLUENESULPHONIC ACID, CALCIUM SALTS, HIGH OVERBASE	17
ALKYL (C18-C28) TOLUENESULFONIC ACID, CALCIUM SALTS, LOW OVERBASE		17
Alkyl(C18-C28)toluenesulfonic acid,calcium salts, low overbase (up to 60% in mineral oil)	ALKYL (C18-C28) TOLUENESULFONIC ACID, CALCIUM SALTS, LOW OVERBASE	17
ALKYL (C18-C28) TOLUENESULPHONIC ACID, CALCIUM SALTS, HIGH OVERBASE		17
3-Alkyl(C16-C18)oxy-N,N'-bis(2-hydroxyethyl)propan-1-amine (a)	ETHOXYLATED LONG CHAIN (C16+) ALKYOXYALKYLAMINE	17
ALLYL ALCOHOL		17
ALLYL CHLORIDE		17
ALUMINIUM CHLORIDE/HYDROGEN CHLORIDE SOLUTION		17
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 (a)	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

Chapter 19 of the IBC Code

Page 4 of 53

Index Name	Product Name	Chapter
2-Aminoethanol	ETHANOLAMINE	17
2-(2-AMINOETHOXY) ETHANOL		17
2-(2-Aminoethylamino)ethanol	AMINOETHYL ETHANOLAMINE	17
AMINOETHYLDIETHANOLAMINE/AMINOETHYL LETHANOLAMINE SOLUTION		17
AMINOETHYL ETHANOLAMINE		17
N-(2-aminoethyl)ethylenediamine	DIETHYLENETRIAMINE	17
1-(2-Aminoethyl)piperazine	N-AMINOETHYLPIPERAZINE	17
N-AMINOETHYLPIPERAZINE		17
2-Aminoisobutane (a)	BUTYLAMINE (ALL ISOMERS)	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
o-Aminotoluene	O-TOLUIDINE	17
5-Amino-1,3,3-trimethylcyclohexylmethylamine	ISOPHORONEDIAMINE	17
AMMONIA AQUEOUS (28% OR LESS)		17
Ammonia water, 28% or less	AMMONIA AQUEOUS (28% OR LESS)	17
AMMONIUM CHLORIDE SOLUTION (LESS THAN 25%) (*)		17
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
AMMONIUM THIOSULPHATE SOLUTION (60% OR LESS)		17
AMYL ACETATE (ALL ISOMERS)		17
Amyl acetate, commercial (a)	AMYL ACETATE (ALL ISOMERS)	17
n-Amyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
sec-Amyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
Amylacetic ester (a)	AMYL ACETATE (ALL ISOMERS)	17
Amyl alcohol	N-AMYL ALCOHOL	17
N-AMYL ALCOHOL		17
AMYL ALCOHOL, PRIMARY		17

Chapter 19 of the IBC Code

Page 5 of 53

Index Name	Product Name	Chapter
SEC-AMYL ALCOHOL		17
TERT-AMYL ALCOHOL		17
Amyl aldehyde	VALERALDEHYDE (ALL ISOMERS)	17
Amylcarbinol	HEXANOL	17
Amylene hydrate	TERT-AMYL ALCOHOL	17
Amyl ethyl ketone	ETHYL AMYL KETONE	17
TERT-AMYL METHYL ETHER		17
n-Amyl methyl ketone	METHYL AMYL KETONE	17
n-Amyl propionate	N-PENTYL PROPIONATE	17
Anaesthetic ether	DIETHYL ETHER	17
ANILINE		17
Aniline oil	ANILINE	17
Anilinobenzene	DIPHENYLAMINE (MOLTEN)	17
Anthracene oil (coal tar fraction) (a)	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
BARIUM LONG CHAIN (C11-C50) ALKARYL SULPHONATE		17
Basic calcium alkyl salicylate in approximately 30% mineral oil (b)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17
Battery acid	SULPHURIC ACID	17
Behenyl alcohol (a)	ALCOHOLS (C13+)	17
Benzenamine	ANILINE	17
1,4-Benzenedicarboxylic acid, butyl ester	DIBUTYL TEREPHTHALATE	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
BENZENESULPHONYL CHLORIDE	BENZENE SULPHONYL CHLORIDE	17
BENZENE SULPHONYL CHLORIDE		17
BENZENETRICARBOXYLIC ACID, TRIOCTYL ESTER		17
Benzenol	PHENOL	17
Benzol	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Benzole	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Benzophenol	PHENOL	17
2-Benzothiazolethiol, sodium salt solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17

Chapter 19 of the IBC Code

Page 6 of 53

Index Name	Product Name	Chapter
Benzothiazole-2-thiol, sodium salt solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17
(2-Benzothiazolylthio) sodium solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17
BENZYL ACETATE		17
BENZYL ALCOHOL		17
Benzyl butyl phthalate	BUTYL BENZYL PHTHALATE	17
BENZYL CHLORIDE		17
Betaprone	BETA-PROPIOLACTONE	17
Betula oil	METHYL SALICYLATE	17
Biformyl	GLYOXAL SOLUTION (40% OR LESS)	17
BIO-FUEL BLENDS OF DIESEL/GAS OIL AND ALKANES (C10-C26), LINEAR AND BRANCHED WITH A FLASHPOINT >60°C (>25% BUT <99% BY VOLUME)		17
BIO-FUEL BLENDS OF DIESEL/GAS OIL AND ALKANES (C10-C26), LINEAR AND BRANCHED WITH A FLASHPOINT ≤ 60°C (>25% BUT <99% BY VOLUME)		17
BIO-FUEL BLENDS OF DIESEL/GAS OIL AND FAME (>25% BUT <99% BY VOLUME)		17
BIO-FUEL BLENDS OF DIESEL/GAS OIL AND VEGETABLE OIL (>25% BUT <99% BY VOLUME)		17
BIO-FUEL BLENDS OF GASOLINE AND ETHYL ALCOHOL (>25% BUT <99% BY VOLUME)		17
Biphenyl	DIPHENYL	17
Bis(methylcyclopentadiene)	METHYLCYCLOPENTADIENE DIMER	17
2,5-Bis(alkyl(C7+)(thio)-1,3,4-thiadiazole	ALKYLDITHIOTHIADIAZOLE (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 solution	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION	17
Bis(2-butoxyethyl) ether	DIETHYLENE GLYCOL DIBUTYL ETHER	17
N,N- Bis(carboxymethyl)glycine trisodium salt solution	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
Bis[2-(2,3-epoxypropoxy)phenyl]methane	DIGLYCIDYL ETHER OF BISPHENOL F	17
2,2-Bis[4-(2,3-epoxypropoxy)phenyl]propane	DIGLYCIDYL ETHER OF BISPHENOL A	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 solution	2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION	17
Bis(2-hydroxyethyl) ether	DIETHYLENE GLYCOL	18
Bis(2-hydroxypropyl)amine	DIISOPROPANOLAMINE	17
Bis(6-methylheptyl) phthalate	DIOCTYL PHTHALATE	17

Chapter 19 of the IBC Code

Page 7 of 53

Index Name	Product Name	Chapter
Blackstrap molasses (a)	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
BROMOCHLOROMETHANE		17
Butaldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
Butanal (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
n-Butanal (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
1,3-Butanediol (a)	BUTYLENE GLYCOL	17
Butane-1,3-diol (a)	BUTYLENE GLYCOL	17
1,4-Butanediol (a)	BUTYLENE GLYCOL	17
Butane -1,4-diol (a)	BUTYLENE GLYCOL	17
2,3-Butanediol (a)	BUTYLENE GLYCOL	17
Butane-2,3-diol (a)	BUTYLENE GLYCOL	17
Butanoic acid	BUTYRIC ACID	17
Butanol	N-BUTYL ALCOHOL	18
1-Butanol	N-BUTYL ALCOHOL	18
Butanol-1	N-BUTYL ALCOHOL	18
Butan-1-ol	N-BUTYL ALCOHOL	18
2-Butanol	SEC-BUTYL ALCOHOL	18
Butan-2-ol	SEC-BUTYL ALCOHOL	18
Butanol acetate (a)	BUTYL ACETATE (ALL ISOMERS)	17
2-Butanol acetate (a)	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
2-Butanone	METHYL ETHYL KETONE	17
Butan-2-one	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 (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-tert-butoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-(2-Butoxyethoxy)ethanol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
2-(2-Butoxyethoxy)ethyl acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
2-Butoxyethyl acetate	ETHYLENE GLYCOL BUTYL ETHER ACETATE	17
1-Butoxypropan-2-ol (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Butyl acetate (a)	BUTYL ACETATE (ALL ISOMERS)	17
BUTYL ACETATE (ALL ISOMERS)		17
n-Butyl acetate (a)	BUTYL ACETATE (ALL ISOMERS)	17

Chapter 19 of the IBC Code

Page 8 of 53

Index Name	Product Name	Chapter
sec-Butyl acetate (a)	BUTYL ACETATE (ALL ISOMERS)	17
tert-Butyl acetate (a)	BUTYL ACETATE (ALL ISOMERS)	17
BUTYL ACRYLATE (ALL ISOMERS)		17
n-Butyl acrylate (a)	BUTYL ACRYLATE (ALL ISOMERS)	17
Butyl alcohol	N-BUTYL ALCOHOL	18
N-BUTYL ALCOHOL		18
SEC-BUTYL ALCOHOL		18
TERT-BUTYL ALCOHOL		17
n-Butyl aldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
BUTYLAMINE (ALL ISOMERS)		17
n-Butylamine (a)	BUTYLAMINE (ALL ISOMERS)	17
sec-Butylamine (a)	BUTYLAMINE (ALL ISOMERS)	17
tert-Butylamine (a)	BUTYLAMINE (ALL ISOMERS)	17
BUTYLBENZENE (ALL ISOMERS)		17
tert-Butylbenzene (a)	BUTYLBENZENE (ALL ISOMERS)	17
BUTYL BENZYL PHTHALATE		17
Butyl butanoate (a)	BUTYL BUTYRATE (ALL ISOMERS)	17
BUTYL BUTYRATE (ALL ISOMERS)		17
n-Butyl butyrate (a)	BUTYL BUTYRATE (ALL ISOMERS)	17
n-Butylcarbinol	N-AMYL ALCOHOL	17
Butyl carbitol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Butyl carbitol acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Butyl cellosolve acetate	ETHYLENE GLYCOL BUTYL ETHER ACETATE	17
BUTYL/DECYL/CETYL/EICOSYL METHACRYLATE MIXTURE		17
Butyl/decyl/hexadecyl/icosyl methacrylate mixture (a)	BUTYL/DECYL/CETYL/EICOSYL METHACRYLATE MIXTURE	17
Butyl diglycol acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
BUTYLENE GLYCOL		17
alpha-Butylene glycol (a)	BUTYLENE GLYCOL	17
beta-Butylene glycol (a)	BUTYLENE GLYCOL	17
1,3-Butylene glycol, 3-methyl ether	3-METHOXY-1-BUTANOL	17
1,3-Butylene glycol, 3-methyl ether, 1-acetate	3-METHOXYBUTYL ACETATE	17
Butylene oxide	TETRAHYDROFURAN	17
1,2-BUTYLENE OXIDE		17
Butyl ethanoate	BUTYL ACETATE (ALL ISOMERS)	17
Butyl ether	N-BUTYL ETHER	17
N-BUTYL ETHER		17
Butylethylacetic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Butylethylene	HEXENE (ALL ISOMERS)	17
tert-Butyl ethyl ether	ETHYL TERT-BUTYL ETHER	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

Chapter 19 of the IBC Code

Page 9 of 53

Index Name	Product Name	Chapter
N-BUTYL PROPIONATE		17
BUTYRALDEHYDE (ALL ISOMERS)		17
n-Butyraldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17
BUTYRIC ACID		17
n-Butyric acid	BUTYRIC ACID	17
Butyric alcohol	N-BUTYL ALCOHOL	18
Butyric aldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
GAMMA-BUTYROLACTONE		17
Cajeputene	DIPENTENE	17
CALCIUM ALKARYL SULPHONATE (C11-C50)		17
Calcium alkyl(longchain) salicylate (overbased) in mineral oil (LOA) (b)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17
CALCIUM ALKYL (C10-C28) SALICYLATE		17
Calcium bis(O-alkylsalicylate) (b)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)	17
Calcium bromide / zinc bromide solution	DRILLING BRINES (CONTAINING ZINC SALTS)	17
CALCIUM CARBONATE SLURRY		18
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 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 LONG-CHAIN ALKYL (C18-C28) SALICYLATE		17
CALCIUM NITRATE/MAGNESIUM NITRATE/POTASSIUM CHLORIDE SOLUTION		17
CALCIUM NITRATE SOLUTIONS (50% OR LESS)		18
Cane molasses (a)	MOLASSES	18
Canola oil	RAPESEED OIL (LOW ERUCIC ACID CONTAINING LESS THAN 4% FREE FATTY ACIDS)	17
Capric acid	DECANOIC ACID	17
Caproic acid	HEXANOIC ACID	17
Caprolactam	EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)	17
EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)		17
Caproyl alcohol	HEXANOL	17
Capryl alcohol (a)	OCTANOL (ALL ISOMERS)	17
Caprylic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Caprylyl acetate	N-OCTYL ACETATE	17
Carbamide solution	UREA SOLUTION	17
Carbinol	METHYL ALCOHOL	17
Carbitol acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17

Chapter 19 of the IBC Code

Page 10 of 53

Index Name	Product Name	Chapter
Carbitol solvent (a)	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
CARBON TETRACHLORIDE		17
Carbonyldiamide solution	UREA SOLUTION	17
Carbonyldiamine solution	UREA SOLUTION	17
Carboxyethyliminobis(ethylenenitrilo)tetraacetic acid, pentasodium salt solution	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION	17
CASHEW NUT SHELL OIL (UNTREATED)		17
CASTOR OIL		17
Caustic potash solution	POTASSIUM HYDROXIDE SOLUTION	17
Caustic soda	SODIUM HYDROXIDE SOLUTION	17
Caustic soda solution	SODIUM HYDROXIDE SOLUTION	17
Cellosolve acetate	2-ETHOXYETHYL ACETATE	17
Cesium formate solution	CESIUM FORMATE SOLUTION (*)	17
CESIUM FORMATE SOLUTION (*)		17
CETYL/EICOSYL METHACRYLATE MIXTURE		17
Cetyl / stearyl alcohol (a)	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
alpha-Chloroallyl chloride	1,3-DICHLOROPROPENE	17
Chloroallylene	ALLYL CHLORIDE	17
CHLOROBENZENE		17
Chlorobenzol	CHLOROBENZENE	17
Chlorobromomethane	BROMOCHLOROMETHANE	17
1-Chloro-2-(beta-chloroethoxy)ethane	DICHLOROETHYL ETHER	17
1-Chloro-2,3-epoxypropane	EPICHLOROHYDRIN	17
2-Chloroethanol	ETHYLENE CHLOROHYDRIN	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 CHLOROHYDRIN	17
beta-Chloroethyl alcohol	ETHYLENE CHLOROHYDRIN	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 CHLOROACETANILIDE	17
2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL CHLOROACETANILIDE	17
CHLOROFORM		17
CHLOROHYDRINS (CRUDE)		17
m-Chloromethylbenzene	M-CHLOROTOLUENE	17
o-Chloromethylbenzene	O-CHLOROTOLUENE	17

Chapter 19 of the IBC Code

Page 11 of 53

Index Name	Product Name	Chapter
p-Chloromethylbenzene	P-CHLOROTOLUENE	17
(Chloromethyl)ethylene oxide	EPICHLOROHYDRIN	17
(2-Chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER	17
2-Chloro-1-methylethyl ether	2,2'-DICHLOROISOPROPYL ETHER	17
Chloromethyloxirane	EPICHLOROHYDRIN	17
4-CHLORO-2-METHYLPHENOXYACETIC ACID, DIMETHYLAMINE SALT SOLUTION		17
1-Chloro-2-nitrobenzene	O-CHLORONITROBENZENE	17
O-CHLORONITROBENZENE		17
1-(4-CHLOROPHENYL)-4,4- DIMETHYL-PENTAN-3-ONE		17
2- or 3- Chloropropanoic acid	2- OR 3-CHLOROPROPIONIC ACID	17
3-Chloropropene	ALLYL CHLORIDE	17
2- OR 3-CHLOROPROPIONIC ACID		17
alpha- or beta- Chloropropionic acid	2- OR 3-CHLOROPROPIONIC ACID	17
3-Chloropropylene	ALLYL CHLORIDE	17
alpha-Chloropropylene	ALLYL CHLORIDE	17
Chloropropylene oxide	EPICHLOROHYDRIN	17
CHLOROSULPHONIC ACID		17
Chlorosulphuric acid	CHLOROSULPHONIC ACID	17
3-Chlorotoluene	M-CHLOROTOLUENE	17
4-Chlorotoluene	P-CHLOROTOLUENE	17
alpha-Chlorotoluene	BENZYL CHLORIDE	17
M-CHLOROTOLUENE		17
O-CHLOROTOLUENE		17
P-CHLOROTOLUENE		17
CHLOROTOLUENES (MIXED ISOMERS)		17
CHOLINE CHLORIDE SOLUTIONS		17
Cinene	DIPENTENE	17
Cinnamene	STYRENE MONOMER	17
Cinnamol	STYRENE MONOMER	17
cis-Butenedioic anhydride	MALEIC ANHYDRIDE	17
cis-9-Octadecenoic acid	OLEIC ACID	17
CITRIC ACID (70% OR LESS)		17
CLAY SLURRY		18
COAL SLURRY		18
COAL TAR		17
Coal tar distillate	COAL TAR NAPHTHA SOLVENT	17
COAL TAR NAPHTHA SOLVENT		17
COAL TAR PITCH (MOLTEN)		17
COCOA BUTTER		17
COCONUT OIL		17
COCONUT OIL FATTY ACID		17
COCONUT OIL FATTY ACID METHYL ESTER		17
Colamine	ETHANOLAMINE	17
Cologne spirits	ETHYL ALCOHOL	18
Colonial spirit	METHYL ALCOHOL	17

Chapter 19 of the IBC Code

Page 12 of 53

Index Name	Product Name	Chapter
Colophony	ROSIN	17
Columbian spirit	METHYL ALCOHOL	17
Columbian spirits	METHYL ALCOHOL	17
COPPER SALT OF LONG CHAIN (C17+) ALKANOIC ACID		17
CORN OIL		17
COTTON SEED OIL		17
CREOSOTE (COAL TAR)		17
CRESOLS (ALL ISOMERS)		17
CRESYLIC ACID, DEPHENOLIZED		17
Cresylic acids	CRESOLS (ALL ISOMERS)	17
CRESYLIC ACID, SODIUM SALT SOLUTION		17
Cresylols	CRESOLS (ALL ISOMERS)	17
CROTONALDEHYDE		17
Crotonic aldehyde	CROTONALDEHYDE	17
CTMP (Chemi Thermo Mechanical Pulp) concentrate	WOOD LIGNIN WITH SODIUM ACETATE/OXALATE	17
Cumene (a)	PROPYLBENZENE (ALL ISOMERS)	17
Cumol (a)	PROPYLBENZENE (ALL ISOMERS)	17
Cyanoethylene	ACRYLONITRILE	17
2-Cyanopropan-2-ol	ACETONE CYANOHYDRIN	17
2-Cyano-2-propanol	ACETONE CYANOHYDRIN	17
2-cyanopropene-1	METHACRYLONITRILE	17
Cyclic propylene carbonate	PROPYLENE CARBONATE	18
1,5,9-CYCLODODECATRIENE		17
CYCLOHEPTANE		17
Cyclohexamethylenimine	HEXAMETHYLENEIMINE	17
CYCLOHEXANE		17
CYCLOHEXANOL		17
CYCLOHEXANONE		17
CYCLOHEXANONE, CYCLOHEXANOL MIXTURE		17
Cyclohexatriene	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
CYCLOHEXYL ACETATE		17
CYCLOHEXYLAMINE		17
Cyclohexyldimethylamine	N,N-DIMETHYLCYCLOHEXYLAMINE	17
Cyclohexyl(ethyl)amine	N-ETHYLCYCLOHEXYLAMINE	17
Cyclohexyl(ethyl)amine	N-ETHYLCYCLOHEXYLAMINE	17
Cyclohexyl ketone	CYCLOHEXANONE	17
Cyclohexylmethane	METHYLCYCLOHEXANE	17
1,3-CYCLOPENTADIENE DIMER (MOLTEN)		17
CYCLOPENTANE		17
CYCLOPENTENE		17
Cyclotetramethylene oxide	TETRAHYDROFURAN	17
P-CYMENE		17
Cymol	P-CYMENE	17
Dalapon (ISO)	2,2-DICHLOROPROPIONIC ACID	17
DCDP	DICYCLOPENTADIENE, RESIN GRADE, 81-89%	17

Chapter 19 of the IBC Code

Page 13 of 53

Index Name	Product Name	Chapter
Deanol	DIMETHYLETHANOLAMINE	17
DECAHYDRONAPHTHALENE		17
DECANOIC ACID		17
Decan-1-ol	DECYL ALCOHOL (ALL ISOMERS)	17
n-Decanol	DECYL ALCOHOL (ALL ISOMERS)	17
Decatoic acid	DECANOIC ACID	17
DECENE		17
Decoic acid	DECANOIC ACID	17
DECYL ACRYLATE		17
Decyl alcohol	DECYL ALCOHOL (ALL ISOMERS)	17
DECYL ALCOHOL (ALL ISOMERS)		17
Decylbenzene (a)	ALKYL(C9+)BENZENES	17
DECYL/DODECYL/TETRADECYL ALCOHOL MIXTURE		17
Decylic acid	DECANOIC ACID	17
Decyl octyl adipate	OCTYL DECYL ADIPATE	17
DECYLOXYTETRAHYDROTHIOPHENE DIOXIDE		17
1-Deoxy-1-methylamino-D-glucitol solution (70% or less)	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	18
Detergent alkylate	ALKYL(C9+)BENZENES	17
Diacetic ester	ETHYL ACETOACETATE	17
Diacetone	DIACETONE ALCOHOL	17
DIACETONE ALCOHOL		17
Di[alkyl/alkenyl(C10-C20)] hydrogen phosphite (a)	ALKYL(C10-C20, SATURATED AND UNSATURATED) PHOSPHITE	17
DIALKYL (C8-C9) DIPHENYLAMINES		17
DIALKYL (C7-C13) PHTHALATES		17
DIALKYL (C9 - C10) PHTHALATES		17
DIALKYL THIOPHOSPHATES SODIUM SALTS SOLUTION		17
1,2-Diaminoethane	ETHYLENEDIAMINE	17
1,6-Diaminohexane	HEXAMETHYLENEDIAMINE (MOLTEN)	17
1,6-Diaminohexane solutions	HEXAMETHYLENEDIAMINE SOLUTION	17
2,6-Diaminohexanoic acid	L-LYSINE SOLUTION (60% OR LESS)	17
Diaminotoluene (a)	TOLUENEDIAMINE	17
2,4-Diaminotoluene (a)	TOLUENEDIAMINE	17
2,6-Diaminotoluene (a)	TOLUENEDIAMINE	17
3,6-Diazaoctane-1,8-diamine	TRIETHYLENETETRAMINE	17
1,2-Dibromoethane	ETHYLENE DIBROMIDE	17
DIBROMOMETHANE		17
2,2'-Dibutoxyethyl ether	DIETHYLENE GLYCOL DIBUTYL ETHER	17
DIBUTYLAMINE		17
Dibutylbenzene-1,2-dicarboxylate	DIBUTYL PHTHALATE	17
Dibutyl carbinol (a)	NONYL ALCOHOL (ALL ISOMERS)	17
Dibutyl ether	N-BUTYL ETHER	17
n-Dibutyl ether	N-BUTYL ETHER	17
Dibutyl hydrogen phosphite	DIBUTYL HYDROGEN PHOSPHONATE	17
DIBUTYL HYDROGEN PHOSPHONATE		17

Chapter 19 of the IBC Code

Page 14 of 53

Index Name	Product Name	Chapter
2,6-DI-TERT-BUTYLPHENOL		17
Dibutyl phosphonate	DIBUTYL HYDROGEN PHOSPHONATE	17
DIBUTYL PHTHALATE		17
Dibutyl ortho-phthalate	DIBUTYL PHTHALATE	17
DIBUTYL TEREPHTHALATE		17
DICHLOROBENZENE (ALL ISOMERS)		17
1,2-Dichlorobenzene (a)	DICHLOROBENZENE (ALL ISOMERS)	17
m-Dichlorobenzene (a)	DICHLOROBENZENE (ALL ISOMERS)	17
o-Dichlorobenzene (a)	DICHLOROBENZENE (ALL ISOMERS)	17
3,4-Dichlorobut-1-ene	3,4-DICHLORO-1-BUTENE	17
3,4-DICHLORO-1-BUTENE		17
2,2'-Dichlorodiethyl ether	DICHLOROETHYL ETHER	17
Dichlorodiisopropyl ether	2,2'-DICHLOROISOPROPYL ETHER	17
1,1-DICHLOROETHANE		17
1,2-Dichloroethane	ETHYLENE DICHLORIDE	17
1,1-Dichloroethene	VINYLDENE CHLORIDE	17
Dichloroether	DICHLOROETHYL ETHER	17
1,1-Dichloroethylene	VINYLDENE CHLORIDE	17
DICHLOROETHYL ETHER		17
2,2'-Dichloroethyl ether	DICHLOROETHYL ETHER	17
Dichloroethyl oxide	DICHLOROETHYL ETHER	17
1,6-DICHLOROHEXANE		17
2,2'-DICHLOROISOPROPYL ETHER		17
DICHLOROMETHANE		17
2,4-DICHLOROPHENOL		17
2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION		17
2,4-DICHLOROPHENOXYACETIC ACID, DIMETHYLAMINE SALT SOLUTION (70% OR LESS)		17
2,4-DICHLOROPHENOXYACETIC ACID, TRISOPROPANOLAMINE SALT SOLUTION		17
1,1-DICHLOROPROPANE		17
1,2-DICHLOROPROPANE		17
Dichloropropane / dichloropropene mixtures	DICHLOROPROPENE/DICHLOROPROPANE MIXTURES	17
2,2-Dichloropropanoic acid	2,2-DICHLOROPROPIONIC ACID	17
1,3-DICHLOROPROPENE		17
DICHLOROPROPENE/DICHLOROPROPANE MIXTURES		17
2,2-DICHLOROPROPIONIC ACID		17
Dichloropropylene	1,3-DICHLOROPROPENE	17
1,4-Dicyanobutane	ADIPONITRILE	17
Dicyclopentadiene	1,3-CYCLOPENTADIENE DIMER (MOLTEN)	17
DICYCLOPENTADIENE, RESIN GRADE, 81-89%		17
Didecyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
Didodecyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
DIETHANOLAMINE		17
DIETHYLAMINE		17

Chapter 19 of the IBC Code

Page 15 of 53

Index Name	Product Name	Chapter
DIETHYLAMINOETHANOL		17
2-Diethylaminoethanol	DIETHYLAMINOETHANOL	17
2,6-DIETHYLANILINE		17
DIETHYLBENZENE		17
Diethyl 'carbitol'	DIETHYLENE GLYCOL DIETHYL ETHER	17
Diethylene dioxide	1,4-DIOXANE	17
1,4-Diethylene dioxide	1,4-DIOXANE	17
Diethylene ether	1,4-DIOXANE	17
DIETHYLENE GLYCOL		18
Diethylene glycol butyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol butyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
DIETHYLENE GLYCOL DIBUTYL ETHER		17
DIETHYLENE GLYCOL DIETHYL ETHER		17
Diethylene glycol ethyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol ethyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Diethylene glycol methyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol methyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Diethylene glycol monobutyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol monobutyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Diethylene glycol monoethyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol monoethyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Diethylene glycol monomethyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Diethylene glycol monomethyl ether acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
DIETHYLENE GLYCOL PHTHALATE		17
DIETHYLENETRIAMINE		17
DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION		17
N,N-Diethylethanamine	TRIETHYLAMINE	17
N,N-Diethylethanolamine	DIETHYLAMINOETHANOL	17
DIETHYL ETHER		17
DI-(2-ETHYLHEXYL) ADIPATE		17
DI-(2-ETHYLHEXYL) PHOSPHORIC ACID		17
Diethyl oxide	DIETHYL ETHER	17
DIETHYL PHTHALATE		17
DIETHYL SULPHATE		17
Diformyl	GLYOXAL SOLUTION (40% OR LESS)	17
DIGLYCIDYL ETHER OF BISPHENOL A		17
DIGLYCIDYL ETHER OF BISPHENOL F		17
Diglycol	DIETHYLENE GLYCOL	18
Diglycolamine	2-(2-AMINOETHOXY) ETHANOL	17

Chapter 19 of the IBC Code

Page 16 of 53

Index Name	Product Name	Chapter
Diglycol phthalate	DIETHYLENE GLYCOL PHTHALATE	17
DIHEPTYL PHTHALATE		17
DI-N-HEXYL ADIPATE		17
DIHEXYL PHTHALATE		17
1,3-Dihydroisobenzofuran-1,3-dione (molten)	PHTHALIC ANHYDRIDE (MOLTEN)	17
2,3-Dihydroxybutane (a)	BUTYLENE GLYCOL	17
2,2'-Dihydroxydiethylamine	DIETHANOLAMINE	17
Di-(2-hydroxyethyl)amine	DIETHANOLAMINE	17
Dihydroxyethyl ether	DIETHYLENE GLYCOL	18
1,6-Dihydroxyhexane	HEXAMETHYLENE GLYCOL	17
1,2-Dihydroxypropane	PROPYLENE GLYCOL	18
Diisobutene	DIISOBUTYLENE	17
DIISOBUTYLAMINE		17
Diisobutylcarbinol (a)	NONYL ALCOHOL (ALL ISOMERS)	17
DIISOBUTYLENE		17
alpha-Diisobutylene (a)	DIISOBUTYLENE	17
beta-Diisobutylene (a)	DIISOBUTYLENE	17
DIISOBUTYL KETONE		17
DIISOBUTYL PHTHALATE		17
2,4-diisocyanato-1-methylbenzene	TOLUENE DIISOCYANATE	17
2,4-Diisocyanatotoluene	TOLUENE DIISOCYANATE	17
Diisodecyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
DIISONONYL ADIPATE		17
Diisononyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
DIISOCTYL PHTHALATE		17
DIISOPROPANOLAMINE		17
DIISOPROPYLAMINE		17
DIISOPROPYLBENZENE (ALL ISOMERS)		17
Diisopropyl ether	ISOPROPYL ETHER	17
DIISOPROPYLNAPHTHALENE		17
Diisopropyl oxide	ISOPROPYL ETHER	17
N,N-DIMETHYLACETAMIDE		17
N,N-DIMETHYLACETAMIDE SOLUTION (40% OR LESS)		17
Dimethylacetylene carbinol	2-METHYL-2-HYDROXY-3-BUTYNE	17
DIMETHYL ADIPATE		17
DIMETHYLAMINE SOLUTION (45% OR LESS)		17
DIMETHYLAMINE SOLUTION (GREATER THAN 45% BUT NOT GREATER THAN 55%)		17
DIMETHYLAMINE SOLUTION (GREATER THAN 55% BUT NOT GREATER THAN 65%)		17
Dimethylaminoethanol	DIMETHYLETHANOLAMINE	17
2-(Dimethylamino)ethanol	DIMETHYLETHANOLAMINE	17
Dimethylbenzenes	XYLENES	17
1,3-Dimethylbutanol	METHYLAMYL ALCOHOL	17
1,3-Dimethylbutan-1-ol	METHYLAMYL ALCOHOL	17
1,3-Dimethylbutyl acetate (a)	METHYLAMYL ACETATE	17
Dimethylcarbinol	ISOPROPYL ALCOHOL	18

Chapter 19 of the IBC Code

Page 17 of 53

Index Name	Product Name	Chapter
N,N-DIMETHYLCYCLOHEXYLAMINE		17
DIMETHYL DISULPHIDE		17
N,N-Dimethyldodecanamine	N,N-DIMETHYLDODECYLAMINE	17
N,N-Dimethyldodecan-1-amine	N,N-DIMETHYLDODECYLAMINE	17
N,N-DIMETHYLDODECYLAMINE		17
1,1-Dimethylethanol	TERT-BUTYL ALCOHOL	17
DIMETHYLETHANOLAMINE		17
1,1-Dimethylethyl alcohol	TERT-BUTYL ALCOHOL	17
Dimethyl ethyl carbinol	TERT-AMYL ALCOHOL	17
1,1-dimethylethyl methyl ether	METHYL TERT-BUTYL ETHER	17
Dimethylformaldehyde	ACETONE	18
DIMETHYLFORMAMIDE		17
DIMETHYL GLUTARATE		17
2,6-Dimethylheptan-4-one	DIISOBUTYL KETONE	17
2,6-Dimethyl-4-heptanone	DIISOBUTYL KETONE	17
N,N-Dimethylhexanamine (a)	ALKYL (C12+) DIMETHYLAMINE	17
DIMETHYL HYDROGEN PHOSPHITE		17
Dimethylhydroxybenzenes (all isomers)	XYLENOL	17
1,1'-Dimethyl-2,2'-iminodiethanol	DIISOPROPANOLAMINE	17
Dimethyl ketal	ACETONE	18
Dimethyl ketone	ACETONE	18
N,N-dimethyl-laurylamine	N,N-DIMETHYLDODECYLAMINE	17
N,N-Dimethylmethanamine solution (30% or less)	TRIMETHYLAMINE SOLUTION (30% OR LESS)	17
6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane	BETA-PINENE	17
DIMETHYL OCTANOIC ACID		17
2,2-Dimethyloctanoic acid (a)	NEODECANOIC ACID	17
2,3-Dimethylphenol (a)	XYLENOL	17
2,4-Dimethylphenol (a)	XYLENOL	17
2,5-Dimethylphenol (a)	XYLENOL	17
2,6-Dimethylphenol (a)	XYLENOL	17
3,4-Dimethylphenol (a)	XYLENOL	17
3,5-Dimethylphenol (a)	XYLENOL	17
Dimethylphenols	XYLENOL	17
Dimethylphenyl phosphate (3:1) (all isomers)	TRIXYLYL PHOSPHATE	17
DIMETHYL PHTHALATE		17
DIMETHYLPOLYSILOXANE		17
2,2-Dimethylpropane (a)	PENTANE (ALL ISOMERS)	17
2,2-DIMETHYLPROPANE-1,3-DIOL (MOLTEN OR SOLUTION)		17
2,2-Dimethylpropanoic acid	TRIMETHYLACETIC ACID	17
1,1-Dimethylpropargyl alcohol	2-METHYL-2-HYDROXY-3-BUTYNE	17
2,2-Dimethylpropionic acid	TRIMETHYLACETIC ACID	17
1,1-Dimethylpropynol	2-METHYL-2-HYDROXY-3-BUTYNE	17
DIMETHYL SUCCINATE		17
N,N-Dimethyltetradecanamine (a)	ALKYL (C12+) DIMETHYLAMINE	17
Dimethyl(tetradecyl)amine (a)	ALKYL (C12+) DIMETHYLAMINE	17
3,9-Dimethyltricyclo[5.2.1.0 ^{2,6}]deca-3,9-diene	METHYLCYCLOPENTADIENE DIMER	17

Chapter 19 of the IBC Code

Page 18 of 53

Index Name	Product Name	Chapter
Dimethyltrimethylene glycol	2,2-DIMETHYLPROPANE-1,3-DIOL (MOLTEN OR SOLUTION)	17
DINITROTOLUENE (MOLTEN)		17
DINONYL PHTHALATE		17
Dinonyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
3,6-Dioxaoctane-1,8-diol	TRIETHYLENE GLYCOL	18
Dioctyl adipate	DI-(2-ETHYLHEXYL) ADIPATE	17
Dioctyl hydrogen phosphate	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17
Dioctyl phosphoric acid	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17
DIOCTYL PHTHALATE		17
2,4-D-diolamine	2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION	17
1,4-Dioxan	1,4-DIOXANE	17
1,4-DIOXANE		17
1,3-Dioxolan-2-one	ETHYLENE CARBONATE	18
Dioxolone-2	ETHYLENE CARBONATE	18
1,1-Dioxothiolan	SULPHOLANE	17
Dioxyethylene ether	1,4-DIOXANE	17
DIPENTENE		17
DIPHENYL		17
DIPHENYLAMINE (MOLTEN)		17
DIPHENYLAMINE, REACTION PRODUCT WITH 2,2,4-TRIMETHYLPENTENE		17
DIPHENYLAMINES, ALKYLATED		17
DIPHENYL/DIPHENYL ETHER MIXTURES		17
Diphenyl/diphenyl oxide mixtures	DIPHENYL/DIPHENYL ETHER MIXTURES	17
Diphenyl dodecyl ether disulphonate solution	DODECYL DIPHENYL ETHER DISULPHONATE SOLUTION	17
Diphenyl dodecyl oxide disulphonate solution	DODECYL DIPHENYL ETHER DISULPHONATE SOLUTION	17
DIPHENYL ETHER		17
DIPHENYL ETHER/DIPHENYL PHENYL ETHER MIXTURE		17
DIPHENYLMETHANE DIISOCYANATE		17
DIPHENYLOL PROPANE-EPICHLOROHYDRIN RESINS		17
Diphenyl oxide	DIPHENYL ETHER	17
Diphenyl oxide / diphenyl phenyl ether mixture	DIPHENYL ETHER/DIPHENYL PHENYL ETHER MIXTURE	17
Dipropylamine	DI-N-PROPYLAMINE	17
n-Dipropylamine	DI-N-PROPYLAMINE	17
DI-N-PROPYLAMINE		17
DIPROPYLENE GLYCOL		17
Dipropylene glycol methyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Dipropylene glycol monomethyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Disodium carbonate solution	SODIUM CARBONATE SOLUTION	17
Distillates (Petroleum), Steam Cracked, C8 - C12 Fraction (a)	RESIN OIL, DISTILLED	17
DITHIOCARBAMATE ESTER (C7-C35)		17

Chapter 19 of the IBC Code

Page 19 of 53

Index Name	Product Name	Chapter
DITRIDECYL ADIPATE		17
DITRIDECYL PHTHALATE		17
DIUNDECYL PHTHALATE		17
dl-Lactic acid	LACTIC ACID	17
dl-p-Mentha-1,8-diene	DIPENTENE	17
1-Docosanol (a)	ALCOHOLS (C13+)	17
Docosan-1-ol (a)	ALCOHOLS (C13+)	17
DODECANE (ALL ISOMERS)		17
TERT-DODECANETHIOL		17
Dodecanoic acid	LAURIC ACID	17
1-Dodecanol	DODECYL ALCOHOL	17
Dodecan-1-ol	DODECYL ALCOHOL	17
n-Dodecanol	DODECYL ALCOHOL	17
DODECENE (ALL ISOMERS)		17
DODECYL ALCOHOL		17
n-Dodecyl alcohol	DODECYL ALCOHOL	17
DODECYLAMINE/TETRADECYLAMINE MIXTURE		17
DODECYLBENZENE		17
Dodecylbenzenesulphonic acid (contains 1.5% sulphuric acid)	ALKYL (C11-C17) BENZENE SULPHONIC ACID	17
Dodecyl dimethylamine	N,N-DIMETHYLDODECYLAMINE	17
DODECYL DIPHENYL ETHER DISULPHONATE SOLUTION		17
Dodecyl diphenyl oxide disulphonate solution	DODECYL DIPHENYL ETHER DISULPHONATE SOLUTION	17
Dodecylene	DODECENE (ALL ISOMERS)	17
DODECYL HYDROXYPROPYL SULPHIDE		17
Dodecylic acid	LAURIC ACID	17
tert-Dodecyl mercaptan	TERT-DODECANETHIOL	17
DODECYL METHACRYLATE		17
Dodecyl 2-methylprop-2-enoate	DODECYL METHACRYLATE	17
Dodecyl-2-methyl-2-propenoate	DODECYL METHACRYLATE	17
DODECYL/OCTADECYL METHACRYLATE MIXTURE		17
DODECYL/PENTADECYL METHACRYLATE MIXTURE		17
DODECYL PHENOL		17
Dodecyl, Tetradecyl, hexadecyl-dimethylamine mixture	ALKYL (C12+) DIMETHYLAMINE	17
2-Dodecylthio-1-methylethanol	DODECYL HYDROXYPROPYL SULPHIDE	17
1-(Dodecylthio)propan-2-ol	DODECYL HYDROXYPROPYL SULPHIDE	17
DODECYL XYLENE		17
Drilling brine: potassium chloride solution	POTASSIUM CHLORIDE SOLUTION	17
DRILLING BRINES (CONTAINING ZINC SALTS)		17
DRILLING BRINES, INCLUDING: CALCIUM BROMIDE SOLUTION, CALCIUM CHLORIDE SOLUTION AND SODIUM CHLORIDE SOLUTION		17
(E)-But-2-enal	CROTONALDEHYDE	17
Enanthic acid	N-HEPTANOIC ACID	17
Enanthylic acid	N-HEPTANOIC ACID	17

Chapter 19 of the IBC Code

Page 20 of 53

Index Name	Product Name	Chapter
Engravers' acid	NITRIC ACID (70% AND OVER)	17
EPICHLOROHYDRIN		17
1,2-Epoxybutane	1,2-BUTYLENE OXIDE	17
1,4-epoxybutane	TETRAHYDROFURAN	17
1,2-Epoxypropane	PROPYLENE OXIDE	17
2,3-Epoxypropyl ester of mixed C10 trialkylacetic acids	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17
2,3-Epoxypropyl neodecanoate	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17
EPTC	S-ETHYL DIPROPYLTHIOCARBAMATE	17
Essence of Mirbane	NITROBENZENE	17
Essence of Myrbane	NITROBENZENE	17
Ethanamine solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)	17
Ethancarbonitrile	PROPIONITRILE	17
Ethanedial	GLYOXAL SOLUTION (40% OR LESS)	17
1,2-Ethanediol	ETHYLENE GLYCOL	17
Ethanoic acid	ACETIC ACID	17
Ethanoic anhydride	ACETIC ANHYDRIDE	17
Ethanol	ETHYL ALCOHOL	18
ETHANOLAMINE		17
ethenyl acetate	VINYL ACETATE	17
ethenyl ethanoate	VINYL ACETATE	17
Ether	DIETHYL ETHER	17
Ethinyl trichloride	TRICHLOROETHYLENE	17
2-Ethoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-(2-Ethoxyethoxy)ethanol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
2-(2-Ethoxyethoxy)ethyl acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
2-ETHOXYETHYL ACETATE		17
ETHOXYLATED LONG CHAIN (C16+) ALKYL OXYALKYLAMINE		17
ETHOXYLATED TALLOW AMINE (> 95%)		17
2-Ethoxy-2-methylpropane	ETHYL TERT-BUTYL ETHER	17
1-Ethoxypropan-2-ol (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
ETHYL ACETATE		17
ETHYL ACETOACETATE		17
Ethyl acetone	METHYL PROPYL KETONE	18
ETHYL ACRYLATE		17
ETHYL ALCOHOL		18
ETHYLAMINE		17
ETHYLAMINE SOLUTIONS (72% OR LESS)		17
Ethylaminocyclohexane	N-ETHYLCYCLOHEXYLAMINE	17
ETHYL AMYL KETONE		17
ETHYLBENZENE		17
Ethyl benzol	ETHYLBENZENE	17
Ethyl butanoate	ETHYL BUTYRATE	17
ETHYL TERT-BUTYL ETHER		17
ETHYL BUTYRATE		17
2-Ethylcaproic acid	2-ETHYLHEXANOIC ACID	17

Chapter 19 of the IBC Code

Page 21 of 53

Index Name	Product Name	Chapter
Ethyl carbinol	N-PROPYL ALCOHOL	17
Ethyl cyanide	PROPIONITRILE	17
ETHYLCYCLOHEXANE		17
N-ETHYLCYCLOHEXYLAMINE		17
Ethyldimethylmethane (a)	PENTANE (ALL ISOMERS)	17
S-Ethyl dipropylcarbamothioate	S-ETHYL DIPROPYLTHIOCARBAMATE	17
S-ETHYL DIPROPYLTHIOCARBAMATE		17
Ethylene alcohol	ETHYLENE GLYCOL	17
Ethylene bis(iminodiacetic acid) tetrasodium salt solution	ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT SOLUTION	17
Ethylene bromide	ETHYLENE DIBROMIDE	17
ETHYLENE CARBONATE		18
Ethylenecarboxylic acid	ACRYLIC ACID	17
Ethylene chloride	ETHYLENE DICHLORIDE	17
ETHYLENE CHLOROHYDRIN		17
ETHYLENE CYANOHYDRIN		17
Ethylene diacetate	ETHYLENE GLYCOL DIACETATE	17
ETHYLENEDIAMINE		17
ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT SOLUTION		17
ETHYLENE DIBROMIDE		17
ETHYLENE DICHLORIDE		17
Ethylenedinitrotetraacetic acid tetrasodium salt solution	ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT SOLUTION	17
2,2'-Ethylenedioxydiethanol	TRIETHYLENE GLYCOL	18
ETHYLENE GLYCOL		17
ETHYLENE GLYCOL ACETATE		17
Ethylene glycol acrylate	2-HYDROXYETHYL ACRYLATE	17
Ethylene glycol butyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
ETHYLENE GLYCOL BUTYL ETHER ACETATE		17
Ethylene glycol tert-butyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
ETHYLENE GLYCOL DIACETATE		17
Ethylene glycol ethyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol ethyl ether acetate	2-ETHOXYETHYL ACETATE	17
Ethylene glycol isopropyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol methyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
ETHYLENE GLYCOL METHYL ETHER ACETATE		17
ETHYLENE GLYCOL MONOALKYL ETHERS		17
Ethylene glycol monobutyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol mono-tert-butyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol monoethyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol monoethyl ether acetate	2-ETHOXYETHYL ACETATE	17
Ethylene glycol monomethyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol monomethyl ether acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17
Ethylene glycol monophenyl ether	ETHYLENE GLYCOL PHENYL ETHER	17
ETHYLENE GLYCOL PHENYL ETHER		17

Chapter 19 of the IBC Code

Page 22 of 53

Index Name	Product Name	Chapter
ETHYLENE GLYCOL PHENYL ETHER/DIETHYLENE GLYCOL PHENYL ETHER MIXTURE		17
ETHYLENE OXIDE/PROPYLENE OXIDE MIXTURE WITH AN ETHYLENE OXIDE CONTENT OF NOT MORE THAN 30% BY MASS		17
Ethylene tetrachloride	PERCHLOROETHYLENE	17
Ethylene trichloride	TRICHLOROETHYLENE	17
ETHYLENE-VINYL ACETATE COPOLYMER (EMULSION)		17
Ethyl ethanoate	ETHYL ACETATE	17
Ethyl ether	DIETHYL ETHER	17
ETHYL-3-ETHOXYPROPIONATE		17
Ethyl fluid (a)	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLS)	17
Ethylformic acid	PROPIONIC ACID	17
Ethyl glycol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-Ethylhexaldehyde (a)	OCTYL ALDEHYDES	17
2-Ethylhexanal (a)	OCTYL ALDEHYDES	17
2-ETHYLHEXANOIC ACID		17
2-Ethylhexanol (a)	OCTANOL (ALL ISOMERS)	17
2-Ethylhexenal	2-ETHYL-3-PROPYLACROLEIN	17
2-Ethylhex-2-enal	2-ETHYL-3-PROPYLACROLEIN	17
2-Ethylhexoic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
2-ETHYLHEXYL ACRYLATE		17
2-Ethylhexyl alcohol (a)	OCTANOL (ALL ISOMERS)	17
2-ETHYLHEXYLAMINE		17
2-ETHYL-2-(HYDROXYMETHYL) PROPANE-1,3- DIOL (C8-C10) ESTER		17
Ethylic acid	ACETIC ACID	17
5-Ethylidenebicyclo(2.2.1)hept-2-ene	ETHYLIDENE NORBORNENE	17
Ethylidene chloride	1,1-DICHLOROETHANE	17
ETHYLIDENE NORBORNENE		17
ETHYL METHACRYLATE		17
N-ETHYLMETHYLALLYLAMINE		17
N-Ethyl-2-methylallylamine	N-ETHYLMETHYLALLYLAMINE	17
2-Ethyl-6-methylaniline	2-METHYL-6-ETHYL ANILINE	17
2-Ethyl-6-methylbenzenamine	2-METHYL-6-ETHYL ANILINE	17
1-ethyl-4-methylbenzene	ETHYL TOLUENE	17
Ethyl methyl ketone	METHYL ETHYL KETONE	17
5-Ethyl-2-methylpyridine	2-METHYL-5-ETHYL PYRIDINE	17
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
Ethyl propenoate	ETHYL ACRYLATE	17
ETHYL PROPIONATE		17
2-ETHYL-3-PROPYLACROLEIN		17
Ethyl sulphate	DIETHYL SULPHATE	17

Chapter 19 of the IBC Code

Page 23 of 53

Index Name	Product Name	Chapter
ETHYL TOLUENE		17
6-Ethyl-2-toluidine	2-METHYL-6-ETHYL ANILINE	17
6-Ethyl-o-toluidine	2-METHYL-6-ETHYL ANILINE	17
Ethyl vinyl ether	VINYL ETHYL ETHER	17
FATTY ACID (SATURATED C13+)		17
FATTY ACID METHYL ESTERS (M)		17
FATTY ACIDS, (C8-C10)		17
FATTY ACIDS, (C12+)		17
FATTY ACIDS, (C16+)		17
FATTY ACIDS, ESSENTIALLY LINEAR (C6-C18) 2-ETHYLHEXYL ESTER		17
Feeding corn molasses (a)	MOLASSES	18
Fermentation alcohol	ETHYL ALCOHOL	18
FERRIC CHLORIDE SOLUTIONS		17
FERRIC NITRATE/NITRIC ACID SOLUTION		17
FISH OIL		17
FLUOROSILICIC ACID (20-30%) IN WATER SOLUTION		17
FORMALDEHYDE SOLUTIONS (45% OR LESS)		17
Formaldehyde trimer	1,3,5-TRIOXANE	17
Formalin	FORMALDEHYDE SOLUTIONS (45% OR LESS)	17
FORMAMIDE		17
Formdimethylamide	DIMETHYLFORMAMIDE	17
FORMIC ACID (85% OR LESS ACID)		17
FORMIC ACID (OVER 85%)		17
FORMIC ACID MIXTURE (CONTAINING UP TO 18% PROPIONIC ACID AND UP TO 25% SODIUM FORMATE)		17
Formic aldehyde	FORMALDEHYDE SOLUTIONS (45% OR LESS)	17
Formylformic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)	17
Fural	FURFURAL	17
2-Furaldehyde	FURFURAL	17
2,5-Furandione	MALEIC ANHYDRIDE	17
Furan-2,5-dione	MALEIC ANHYDRIDE	17
FURFURAL		17
2-Furfuraldehyde	FURFURAL	17
FURFURYL ALCOHOL		17
Furlycarbinol	FURFURYL ALCOHOL	17
Fused poly(2+)cyclic aromatic hydrocarbons (b)	POLY(2+)CYCLIC AROMATICS	17
Gaultheria oil	METHYL SALICYLATE	17
Glacial acetic acid	ACETIC ACID	17
GLUCITOL/GLYCEROL BLEND PROPOXYLATED (CONTAINING LESS THAN 10% AMINES)		17
Glucitol solution	SORBITOL SOLUTION	18
D-Glucitol solution	SORBITOL SOLUTION	18
GLUCOSE SOLUTION		18
GLUTARALDEHYDE SOLUTIONS (50% OR LESS)		17
Glycerin	GLYCERINE	18

Chapter 19 of the IBC Code

Page 24 of 53

Index Name	Product Name	Chapter
GLYCERINE		18
Glycerin triacetate	GLYCERYL TRIACETATE	17
Glyceritol	GLYCERINE	18
Glycerol	GLYCERINE	18
GLYCEROL ETHOXYLATED		18
GLYCEROL MONOOLEATE		17
Glycerol oleate	GLYCEROL MONOOLEATE	17
Glycerol 1-oleate	GLYCEROL MONOOLEATE	17
GLYCEROL PROPOXYLATED		17
GLYCEROL, PROPOXYLATED AND ETHOXYLATED		17
GLYCEROL/SUCROSE BLEND PROPOXYLATED AND ETHOXYLATED		17
Glycerol triacetate	GLYCERYL TRIACETATE	17
GLYCERYL TRIACETATE		17
GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID		17
Glycidyl neodecanoate	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17
GLYCINE, SODIUM SALT SOLUTION		17
Glycol	ETHYLENE GLYCOL	17
Glycol carbonate	ETHYLENE CARBONATE	18
Glycol chlorohydrin	ETHYLENE CHLOROHYDRIN	17
Glycol dichloride	ETHYLENE DICHLORIDE	17
GLYCOLIC ACID SOLUTION (70% OR LESS)		17
Glycol monobutyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Glycols, polyethylene mono(p-nonylphenyl) ether (b)	ALKARYL POLYETHERS (C9-C20)	17
Glycyl alcohol	GLYCERINE	18
Glyoxaldehyde	GLYOXAL SOLUTION (40% OR LESS)	17
Glyoxalic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)	17
GLYOXAL SOLUTION (40% OR LESS)		17
GLYOXYLIC ACID SOLUTION (50 % OR LESS)		17
Glyphosate	GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17
Glyphosate-mono(isopropylammonium)	GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17
GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)		17
Grain alcohol	ETHYL ALCOHOL	18
GROUNDNUT OIL		17
Hemimellitene (a)	TRIMETHYLBENZENE (ALL ISOMERS)	17
Hendecanoic acid	UNDECANOIC ACID	17
1-Hendecanol	UNDECYL ALCOHOL	17
cyclo-Heptamethylene	CYCLOHEPTANE	17
HEPTANE (ALL ISOMERS)		17
1-Heptanecarboxylic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
3-Heptanecarboxylic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Heptanoic acid	N-HEPTANOIC ACID	17
N-HEPTANOIC ACID		17
HEPTANOL (ALL ISOMERS) (D)		17

Chapter 19 of the IBC Code

Page 25 of 53

Index Name	Product Name	Chapter
2-Heptanone	METHYL AMYL KETONE	17
Heptan-2-one	METHYL AMYL KETONE	17
HEPTENE (ALL ISOMERS)		17
Heptoic acid	N-HEPTANOIC ACID	17
HEPTYL ACETATE		17
Heptyl alcohol, all isomers (a)	HEPTANOL (ALL ISOMERS) (D)	17
Heptylcarbinol (a)	OCTANOL (ALL ISOMERS)	17
Heptylene, mixed isomers	HEPTENE (ALL ISOMERS)	17
Heptylic acid	N-HEPTANOIC ACID	17
n-Heptylic acid	N-HEPTANOIC ACID	17
1-Hexadecene	OLEFINS (C13+, ALL ISOMERS)	17
Hexadecyl and icosyl methacrylate mixture (a)	CETYL/EICOSYL METHACRYLATE MIXTURE	17
1-HEXADECYLNAPHTHALENE / 1,4-BIS (HEXADECYL)NAPHTHALENE MIXTURE		17
Hexadecylnaphthalene/dihexadecylnaphthalene mixture	1-HEXADECYLNAPHTHALENE / 1,4-BIS(HEXADECYL) NAPHTHALENE MIXTURE	17
Hexadecyl / octadecyl alcohol (a)	ALCOHOLS (C13+)	17
Hexaethylene glycol (a)	POLYETHYLENE GLYCOL	17
Hexahydroaniline	CYCLOHEXYLAMINE	17
Hexahydro-1H-azepine	HEXAMETHYLENEIMINE	17
Hexahydrobenzene	CYCLOHEXANE	17
Hexahydro-1-H-azepine	HEXAMETHYLENEIMINE	17
Hexahydrophenol	CYCLOHEXANOL	17
Hexahydrotoluene	METHYLCYCLOHEXANE	17
Hexamethylene	CYCLOHEXANE	17
HEXAMETHYLENEDIAMINE (MOLTEN)		17
HEXAMETHYLENEDIAMINE ADIPATE (50% IN WATER)		17
HEXAMETHYLENEDIAMINE SOLUTION		17
1,6-Hexamethylenediamine solution	HEXAMETHYLENEDIAMINE SOLUTION	17
Hexamethylenediammonium adipate solution (50% solution)	HEXAMETHYLENEDIAMINE ADIPATE (50% IN WATER)	17
HEXAMETHYLENE DIISOCYANATE		17
Hexamethylene-1,6-diisocyanate	HEXAMETHYLENE DIISOCYANATE	17
HEXAMETHYLENE GLYCOL		17
HEXAMETHYLENEIMINE		17
HEXAMETHYLENETETRAMINE SOLUTIONS		18
Hexamine	HEXAMETHYLENETETRAMINE SOLUTIONS	18
Hexanaphthene	CYCLOHEXANE	17
1,6-Hexandiamine hexanedioate (1:1)	HEXAMETHYLENEDIAMINE ADIPATE (50% IN WATER)	17
HEXANE (ALL ISOMERS)		17
1,6-Hexanediamine	HEXAMETHYLENEDIAMINE (MOLTEN)	17
1,6-Hexanediamine solutions	HEXAMETHYLENEDIAMINE SOLUTION	17
Hexane-1,6-diamine solutions	HEXAMETHYLENEDIAMINE SOLUTION	17
Hexanedioic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE	17
1,6-Hexanediol	HEXAMETHYLENE GLYCOL	17
Hexane-1,6-diol	HEXAMETHYLENE GLYCOL	17
1,6-HEXANEDIOL, DISTILLATION OVERHEADS		17

Chapter 19 of the IBC Code

Page 26 of 53

Index Name	Product Name	Chapter
n-Hexane	HEXANE (ALL ISOMERS)	17
HEXANOIC ACID		17
HEXANOL		17
Hexan-1-ol	HEXANOL	17
2-Hexanone	METHYL BUTYL KETONE	17
Hexan-2-one	METHYL BUTYL KETONE	17
HEXENE (ALL ISOMERS)		17
1-Hexene (a)	HEXENE (ALL ISOMERS)	17
Hex-1-ene (a)	HEXENE (ALL ISOMERS)	17
2-Hexene (a)	HEXENE (ALL ISOMERS)	17
Hexone	METHYL ISOBUTYL KETONE	17
HEXYL ACETATE		17
sec-Hexyl acetate	METHYLAMYL ACETATE	17
Hexyl alcohol	HEXANOL	17
Hexylene (a)	HEXENE (ALL ISOMERS)	17
HEXYLENE GLYCOL		18
Hexyl ethanoate	HEXYL ACETATE	17
Homopiperidine	HEXAMETHYLENEIMINE	17
HVO (Hydrotreated Vegetable Oil)	ALKANES(C10-C26), LINEAR AND BRANCHED, (FLASHPOINT >60°C)	17
HYDROCHLORIC ACID		17
Hydrofuran	TETRAHYDROFURAN	17
Hydrogenated maltose syrup	MALTITOL SOLUTION	18
Hydrogenated oligosaccharide	HYDROGENATED STARCH HYDROLYSATE	18
HYDROGENATED STARCH HYDROLYSATE		18
Hydrogencarboxylic acid	FORMIC ACID (85% OR LESS ACID)	17
Hydrogen chloride, aqueous	HYDROCHLORIC ACID	17
HYDROGEN PEROXIDE SOLUTIONS (OVER 60% BUT NOT OVER 70% BY MASS)		17
HYDROGEN PEROXIDE SOLUTIONS (OVER 8% BUT NOT OVER 60% BY MASS)		17
Hydrogen sulphate	SULPHURIC ACID	17
alpha-Hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)]	POLYPROPYLENE GLYCOL	17
Hydroxyacetic acid	GLYCOLIC ACID SOLUTION (70% OR LESS)	17
Hydroxybenzene	PHENOL	17
4-Hydroxybutanoic acid lactone	GAMMA-BUTYROLACTONE	17
4-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE	17
gamma-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE	17
Hydroxydimethylbenzenes	XYLENOL	17
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) ETHYLENEDIAMINETRIACETIC ACID, TRISODIUM SALT SOLUTION		17

Chapter 19 of the IBC Code

Page 27 of 53

Index Name	Product Name	Chapter
beta-Hydroxyethyl phenyl ether	ETHYLENE GLYCOL PHENYL ETHER	17
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-Hydroxy-2-methylpropiononitrile	ACETONE CYANOHYDRIN	17
2-HYDROXY-4-(METHYLTHIO)BUTANOIC ACID		17
2-Hydroxy-4-(methylthio)butyric acid	2-HYDROXY-4-(METHYLTHIO)BUTANOIC ACID	17
2-Hydroxynitrobenzene (molten)	O-NITROPHENOL (MOLTEN)	17
1-Hydroxy-2-phenoxyethane	ETHYLENE GLYCOL PHENYL ETHER	17
2-Hydroxypropanoic acid	LACTIC ACID	17
2-Hydroxypropionic acid	LACTIC ACID	17
alpha-Hydroxypropionic acid	LACTIC ACID	17
3-Hydroxypropionic acid, lactone.	BETA-PROPIOLACTONE	17
beta-Hydroxypropionitrile	ETHYLENE CYANOHYDRIN	17
2-Hydroxypropionitrile solution (80% or less)	LACTONITRILE SOLUTION (80% OR LESS)	17
alpha-Hydroxypropionitrile solution (80% or less)	LACTONITRILE SOLUTION (80% OR LESS)	17
3-Hydroxypropiononitrile	ETHYLENE CYANOHYDRIN	17
2-Hydroxypropiononitrile solution (80% or less)	LACTONITRILE SOLUTION (80% OR LESS)	17
2-[2-(2-hydroxypropoxy)propoxy]propan-1-ol	TRIPROPYLENE GLYCOL	17
2-Hydroxypropylamine	ISOPROPANOLAMINE	17
3-Hydroxypropylamine	N-PROPANOLAMINE	17
alpha-Hydroxytoluene	BENZYL ALCOHOL	17
3-Hydroxy-2,2,4-trimethylpentyl isobutyrate	2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1-ISOBUTYRATE	17
ILLIPE OIL		17
2,2'-Iminodi(ethylamine)	DIETHYLENETRIAMINE	17
2,2'-Iminodiethanol	DIETHANOLAMINE	17
1,1'-Iminodipropan-2-ol	DIISOPROPANOLAMINE	17
Iron (III) chloride solutions	FERRIC CHLORIDE SOLUTIONS	17
Iron (III) nitrate / nitric acid solution	FERRIC NITRATE/NITRIC ACID SOLUTION	17
Isoacetophenone	ISOPHORONE	17
Isoamyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
ISOAMYL ALCOHOL		17
Isobutaldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
Isobutanal (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
Isobutanol	ISOBUTYL ALCOHOL	17
Isobutanolamine	2-AMINO-2-METHYL-1-PROPANOL	17
Isobutyl acetate	BUTYL ACETATE (ALL ISOMERS)	17
Isobutyl acrylate (a)	BUTYL ACRYLATE (ALL ISOMERS)	17
ISOBUTYL ALCOHOL		17
Isobutyl aldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
Isobutylamine (a)	BUTYLAMINE (ALL ISOMERS)	17
Isobutylcarbinol	ISOAMYL ALCOHOL	17
ISOBUTYL FORMATE		17

Chapter 19 of the IBC Code

Page 28 of 53

Index Name	Product Name	Chapter
Isobutyl ketone	DIISOBUTYL KETONE	17
ISOBUTYL METHACRYLATE		17
Isobutylmethylcarbinol	METHYLAMYL ALCOHOL	17
Isobutyl methyl ketone	METHYL ISOBUTYL KETONE	17
Isobutylmethylmethanol	METHYLAMYL ALCOHOL	17
Isobutyraldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
Isobutyric aldehyde (a)	BUTYRALDEHYDE (ALL ISOMERS)	17
alpha-Isocyanatobenzyl-omega-isocyanatophenylpoly [(phenyl isocyanate)-alt-formaldehyde]	POLYMETHYLENE POLYPHENYL ISOCYANATE	17
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	ISOPHORONE DIISOCYANATE	17
Isodecanol	DECYL ALCOHOL (ALL ISOMERS)	17
Isodecyl alcohol	DECYL ALCOHOL (ALL ISOMERS)	17
Isododecane (a)	DODECANE (ALL ISOMERS)	17
Isodurene (a)	TETRAMETHYLBENZENE (ALL ISOMERS)	17
Isononanoic acid	NONANOIC ACID (ALL ISOMERS)	17
Isononanol	NONYL ALCOHOL (ALL ISOMERS)	17
Isooctane (a)	OCTANE (ALL ISOMERS)	17
Isooctanol	OCTANOL (ALL ISOMERS)	17
Isopentane (a)	PENTANE (ALL ISOMERS)	17
Isopentanol	ISOAMYL ALCOHOL	17
Isopentanol	AMYL ALCOHOL, PRIMARY	17
Isopentyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
Isopentyl alcohol	ISOAMYL ALCOHOL	17
ISOPHORONE		17
ISOPHORONEDIAMINE		17
ISOPHORONE DIISOCYANATE		17
ISOPRENE		17
Isopropanol	ISOPROPYL ALCOHOL	18
ISOPROPANOLAMINE		17
Isopropenylbenzene	ALPHA-METHYLSTYRENE	17
2-Isopropoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-Isopropoxypropane	ISOPROPYL ETHER	17
ISOPROPYL ACETATE		17
Isopropylacetone	METHYL ISOBUTYL KETONE	17
ISOPROPYL ALCOHOL		18
ISOPROPYLAMINE		17
ISOPROPYLAMINE (70% OR LESS) SOLUTION		17
Isopropylammonium N-(phosphonomethyl)glycine	GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17
Isopropylcarbinol	ISOBUTYL ALCOHOL	17
Isopropyl carbinol	ISOBUTYL ALCOHOL	17
ISOPROPYLCYCLOHEXANE		17
1-Isopropyl-2,2-dimethyltrimethylene diisobutyrate	2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE	17
ISOPROPYL ETHER		17
Isopropylideneacetone	MESITYL OXIDE	17
Isopropyl oxide	ISOPROPYL ETHER	17
4-Isopropyltoluene	P-CYMENE	17

Chapter 19 of the IBC Code

Page 29 of 53

Index Name	Product Name	Chapter
p-Isopropyltoluene	P-CYMENE	17
4-Isopropyltoluol	P-CYMENE	17
Isovaleral	VALERALDEHYDE (ALL ISOMERS)	17
Isovaleraldehyde	VALERALDEHYDE (ALL ISOMERS)	17
Isovaleric aldehyde	VALERALDEHYDE (ALL ISOMERS)	17
Isovalerone	DIISOBUTYL KETONE	17
JATROPHA OIL		17
Kaolin clay slurry	KAOLIN SLURRY	18
Kaolinite slurry	KAOLIN SLURRY	18
KAOLIN SLURRY		18
Ketohexamethylene	CYCLOHEXANONE	17
Ketone propane	ACETONE	18
Ketopropane	ACETONE	18
LACTIC ACID		17
LACTONITRILE SOLUTION (80% OR LESS)		17
LARD		17
LATEX, AMMONIA (1% OR LESS)- INHIBITED		17
LATEX: CARBOXYLATED STYRENE-BUTADIENE COPOLYMER; STYRENE-BUTADIENE RUBBER		17
LAURIC ACID		17
Lauryl alcohol	DODECYL ALCOHOL	17
Lauryl mercaptan	TERT-DODECANETHIOL	17
Lauryl methacrylate	DODECYL METHACRYLATE	17
Lead alkyls, n.o.s. (a)	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
Lead tetraethyl (a)	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
Lead tetramethyl (a)	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
LECITHIN		18
LIGNINSULPHONIC ACID, MAGNESIUM SALT SOLUTION		17
LIGNINSULPHONIC ACID, SODIUM SALT SOLUTION		17
Limonene	DIPENTENE	17
Linear alkylbenzene (LAB) bottoms (a)	ALKYL BENZENE DISTILLATION BOTTOMS	17
Linear alkyl(C12-C16) propoxyamine ethoxylate	ALKYL(C12-C16) PROPOXYAMINE ETHOXYLATE	17
LINSEED OIL		17
LIQUID CHEMICAL WASTES		17
LONG-CHAIN ALKARYL POLYETHER (C11-C20)		17
LONG-CHAIN ALKARYL SULPHONIC ACID (C16-C60)		17
LONG-CHAIN ALKYLPHENATE/PHENOL SULPHIDE MIXTURE		17
Lye, soda solution	SODIUM HYDROXIDE SOLUTION	17
L-LYSINE SOLUTION (60% OR LESS)		17
Magnesia hydrate	MAGNESIUM HYDROXIDE SLURRY	18
MAGNESIUM CHLORIDE SOLUTION		17
MAGNESIUM HYDROXIDE SLURRY		18

Chapter 19 of the IBC Code

Page 30 of 53

Index Name	Product Name	Chapter
Magnesium Lignasulphonate solution	LIGNINSULPHONIC ACID, MAGNESIUM SALT SOLUTION	17
MAGNESIUM LONG-CHAIN ALKARYL SULPHONATE (C11-C50)		17
MAGNESIUM LONG-CHAIN ALKYL SALICYLATE (C11+)		17
MALEIC ANHYDRIDE		17
Maltitol	MALTITOL SOLUTION	18
MALTITOL SOLUTION		18
Maltitol syrup	MALTITOL SOLUTION	18
MANGO KERNEL OIL		17
Meglumine solution (70% or less)	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	18
MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION		17
Mesitylene	TRIMETHYLBENZENE (ALL ISOMERS)	17
MESITYL OXIDE		17
Metaformaldehyde	1,3,5-TRIOXANE	17
Metam-sodium	METAM SODIUM SOLUTION	17
METAM SODIUM SOLUTION		17
METHACRYLIC ACID		17
METHACRYLIC ACID - ALKOXPOLY (ALKYLENE OXIDE) METHACRYLATE COPOLYMER, SODIUM SALT AQUEOUS SOLUTION (45% OR LESS)		17
alpha-Methacrylic acid	METHACRYLIC ACID	17
Methacrylic acid, dodecyl ester	DODECYL METHACRYLATE	17
Methacrylic acid, lauryl ester	DODECYL METHACRYLATE	17
METHACRYLIC RESIN IN ETHYLENE DICHLORIDE		17
METHACRYLONITRILE		17
Methanal	FORMALDEHYDE SOLUTIONS (45% OR LESS)	17
Methanamide	FORMAMIDE	17
Methanamine	METHYLAMINE SOLUTIONS (42% OR LESS)	17
Methanecarboxylic acid	ACETIC ACID	17
Methanoic acid	FORMIC ACID (85% OR LESS ACID)	17
Methanol	METHYL ALCOHOL	17
Methenamine	HEXAMETHYLENETETRAMINE SOLUTIONS	18
3-Methoxybutan-1-ol	3-METHOXY-1-BUTANOL	17
3-METHOXY-1-BUTANOL		17
3-METHOXYBUTYL ACETATE		17
2-Methoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-(2-Methoxyethoxy)ethanol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
2-[2-(2-Methoxyethoxy)ethoxy]ethanol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
2-(2-Methoxyethoxy)ethyl acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
2-Methoxyethyl acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17
2-Methoxy-2-methylbutane	TERT-AMYL METHYL ETHER	17
3-Methoxy-3-methylbutan-1-ol	3-METHYL-3-METHOXYBUTANOL	17
2-Methoxy-1-methylethyl acetate	PROPYLENE GLYCOL METHYL ETHER ACETATE	17

Chapter 19 of the IBC Code

Page 31 of 53

Index Name	Product Name	Chapter
N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL CHLOROACETANILIDE		17
2-methoxy-2-methylpropane	METHYL TERT-BUTYL ETHER	17
1-Methoxypropan-2-ol (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
1-Methoxy-2-propanol acetate	PROPYLENE GLYCOL METHYL ETHER ACETATE	17
1-(2-Methoxypropoxy)propan-2-ol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
3-[3-(3-Methoxypropoxy)propoxy]propan-1-ol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Methoxytriglycol (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Methylacetaldehyde	PROPIONALDEHYDE	17
METHYL ACETATE		17
Methylacetic acid	PROPIONIC ACID	17
METHYL ACETOACETATE		17
Methyl acetylacetate	METHYL ACETOACETATE	17
beta-Methylacrolein	CROTONALDEHYDE	17
METHYL ACRYLATE		17
2-Methylacrylic acid	METHACRYLIC ACID	17
2-Methylacrylic acid, dodecyl ester	DODECYL METHACRYLATE	17
2-Methylacrylic acid, lauryl ester	DODECYL METHACRYLATE	17
METHYL ALCOHOL		17
METHYLAMINE SOLUTIONS (42% OR LESS)		17
1-Methyl-2-aminobenzene	O-TOLUIDINE	17
2-Methyl-1-aminobenzene	O-TOLUIDINE	17
METHYLAMYL ACETATE		17
METHYLAMYL ALCOHOL		17
METHYL AMYL KETONE		17
Methyl n-amyl ketone	METHYL AMYL KETONE	17
2-Methylaniline	O-TOLUIDINE	17
N-METHYLANILINE		17
o-Methylaniline	O-TOLUIDINE	17
2-Methylbenzenamine	O-TOLUIDINE	17
o-Methylbenzenamine	O-TOLUIDINE	17
Methylbenzene	TOLUENE	17
Methylbenzol	TOLUENE	17
ALPHA-METHYLBENZYL ALCOHOL WITH ACETOPHENONE (15% OR LESS)		17
2-Methyl-1,3-butadiene	ISOPRENE	17
3-Methyl-1,3-butadiene	ISOPRENE	17
2-Methylbutanal	VALERALDEHYDE (ALL ISOMERS)	17
3-Methylbutanal	VALERALDEHYDE (ALL ISOMERS)	17
2-Methylbutane (a)	PENTANE (ALL ISOMERS)	17
Methyl butanoate	METHYL BUTYRATE	17
2-Methylbutan-2-ol	TERT-AMYL ALCOHOL	17
2-Methyl-2-butanol	TERT-AMYL ALCOHOL	17
2-Methyl-4-butanol	ISOAMYL ALCOHOL	17
3-Methyl-1-butanol	ISOAMYL ALCOHOL	17
3-Methylbutan-1-ol	AMYL ALCOHOL, PRIMARY	17

Chapter 19 of the IBC Code

Page 32 of 53

Index Name	Product Name	Chapter
3-Methyl-1-butanol	AMYL ALCOHOL, PRIMARY	17
3-Methylbutan-1-ol	ISOAMYL ALCOHOL	17
3-Methylbutan-3-ol	TERT-AMYL ALCOHOL	17
3-Methylbut-1-ene (a)	PENTENE (ALL ISOMERS)	17
Methylbutenes (a)	PENTENE (ALL ISOMERS)	17
METHYLBUTENOL		17
1-Methylbutyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
2-Methyl-2-butyl alcohol	TERT-AMYL ALCOHOL	17
3-Methyl-1-butyl alcohol	ISOAMYL ALCOHOL	17
3-Methyl-3-butyl alcohol	TERT-AMYL ALCOHOL	17
METHYL TERT-BUTYL ETHER		17
METHYL BUTYL KETONE		17
METHYLBUTYNOL		17
2-Methyl-3-butyne-2-ol	2-METHYL-2-HYDROXY-3-BUTYNE	17
2-Methylbut-3-yn-2-ol	METHYLBUTYNOL	17
2-Methyl-3-butyne-2-ol	METHYLBUTYNOL	17
2-Methylbut-3-yn-2-ol	2-METHYL-2-HYDROXY-3-BUTYNE	17
2-Methylbutyraldehyde	VALERALDEHYDE (ALL ISOMERS)	17
3-Methylbutyraldehyde	VALERALDEHYDE (ALL ISOMERS)	17
METHYL BUTYRATE		17
Methyl 'carbitol' acetate (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
Methyl 'cellosolve' acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17
Methylchloroform	1,1,1-TRICHLOROETHANE	17
Methyl cyanide	ACETONITRILE	17
METHYLCYCLOHEXANE		17
1-Methyl-1,3-cyclopentadiene	METHYLCYCLOPENTADIENE DIMER	17
METHYLCYCLOPENTADIENE DIMER		17
METHYLCYCLOPENTADIENYL MANGANESE TRICARBONYL		17
METHYL DIETHANOLAMINE		17
4-Methyl-1,3-dioxolan-2-one	PROPYLENE CARBONATE	18
Methyl disulphide	DIMETHYL DISULPHIDE	17
Methylenebis(4-isocyanatobenzene)	DIPHENYLMETHANE DIISOCYANATE	17
Methylenebis(4-phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17
Methylenebis(4-phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17
Methylenebis(p-phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17
4,4'-Methylenebis(4-phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17
Methylene bromide	DIBROMOMETHANE	17
Methylene chloride	DICHLOROMETHANE	17
4,4'-Methylenedi(phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17
Methylene dichloride	DICHLOROMETHANE	17
4,4'-Methylenediphenyl diisocyanate	DIPHENYLMETHANE DIISOCYANATE	17
Methylenedi-p-phenylene diisocyanate	DIPHENYLMETHANE DIISOCYANATE	17
2-Methylenepropionic acid	METHACRYLIC ACID	17
Methyl ethanoate	METHYL ACETATE	17
1-Methylethyl acetate	ISOPROPYL ACETATE	17

Chapter 19 of the IBC Code

Page 33 of 53

Index Name	Product Name	Chapter
1-Methylethylamine	ISOPROPYLAMINE	17
2-METHYL-6-ETHYL ANILINE		17
Methylethylcarbinol	SEC-BUTYL ALCOHOL	18
Methylethylene glycol	PROPYLENE GLYCOL	18
Methylethylene oxide	PROPYLENE OXIDE	17
METHYL ETHYL KETONE		17
N-(1-Methylethyl)propan-2-amine	DIISOPROPYLAMINE	17
2-METHYL-5-ETHYL PYRIDINE		17
METHYL FORMATE		17
N-METHYLGLUCAMINE SOLUTION (70% OR LESS)		18
N-methyl-D-glucamine solution (70% or less)	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	18
2-METHYLGLUTARONITRILE WITH 2-ETHYLSUCCINONITRILE (12% OR LESS)		17
Methyl glycol	PROPYLENE GLYCOL	18
5-Methylheptan-3-one	ETHYL AMYL KETONE	17
5-Methyl-3-heptanone	ETHYL AMYL KETONE	17
5-Methylhexan-2-one	METHYL AMYL KETONE	17
Methylhexylcarbinol	OCTANOL (ALL ISOMERS)	17
Methyl 2-hydroxybenzoate	METHYL SALICYLATE	17
Methyl o-hydroxybenzoate	METHYL SALICYLATE	17
2-Methyl-2-hydroxy-3-butyne	METHYLBUTYNOL	17
2-METHYL-2-HYDROXY-3-BUTYNE		17
2,2'-(Methylimino)diethanol	METHYL DIETHANOLAMINE	17
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
p-Methylisopropyl benzene	P-CYMENE	17
2-Methylactonitrile	ACETONE CYANOHYDRIN	17
methyl mercaptopropionaldehyde	3-(METHYLTHIO)PROPIONALDEHYDE	17
METHYL METHACRYLATE		17
Methyl methanoate	METHYL FORMATE	17
3-METHYL-3-METHOXYBUTANOL		17
Methyl alpha-methylacrylate	METHYL METHACRYLATE	17
7-Methyl-3-methylene-1,6-octadiene	MYRCENE	17
Methyl 2-methylprop-2-enoate	METHYL METHACRYLATE	17
METHYL NAPHTHALENE (MOLTEN)		17
alpha-Methylnaphthalene (molten) (a)	METHYL NAPHTHALENE (MOLTEN)	17
beta-Methylnaphthalene (molten) (a)	METHYL NAPHTHALENE (MOLTEN)	17
(o- and p-) Methylnitrobenzene	O- OR P-NITROTOLUENES	17
8-Methylnonan-1-ol	DECYL ALCOHOL (ALL ISOMERS)	17
Methylolpropane	N-BUTYL ALCOHOL	18
alpha-Methyl-omega-methoxypoly(ethylene oxide)	POLYETHYLENE GLYCOL DIMETHYL ETHER	17
alpha-Methyl-omega-methoxypoly(oxy-1,2-ethanediyl)	POLYETHYLENE GLYCOL DIMETHYL ETHER	17

Chapter 19 of the IBC Code

Page 34 of 53

Index Name	Product Name	Chapter
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
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
4-Methylpentan-2-one	METHYL ISOBUTYL KETONE	17
2-Methylpentene (a)	HEXENE (ALL ISOMERS)	17
2-Methylpent-1-ene (a)	HEXENE (ALL ISOMERS)	17
2-Methyl-1-pentene (a)	HEXENE (ALL ISOMERS)	17
4-Methyl-1-pentene (a)	HEXENE (ALL ISOMERS)	17
4-Methyl-3-penten-2-one	MESITYL OXIDE	17
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
2-Methyl-m-phenylenediamine (a)	TOLUENEDIAMINE	17
4-Methyl-m-phenylenediamine (a)	TOLUENEDIAMINE	17
Methylphenylene diisocyanate	TOLUENE DIISOCYANATE	17
4-methyl-1,3-phenylene diisocyanate	TOLUENE DIISOCYANATE	17
4-Methyl-m-phenylene diisocyanate	TOLUENE DIISOCYANATE	17
2-Methyl-2-phenylpropane (a)	BUTYLBENZENE (ALL ISOMERS)	17
2-Methylpropanal (a)	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 (a)	BUTYL ACRYLATE (ALL ISOMERS)	17
2-Methyl-1-propyl alcohol	ISOBUTYL ALCOHOL	17
2-Methyl-2-propyl alcohol	TERT-BUTYL ALCOHOL	17
Methylpropylcarbinol	SEC-AMYL ALCOHOL	17
2-Methylpropyl formate	ISOBUTYL FORMATE	17
METHYL PROPYL KETONE		18
2-METHYLPYRIDINE		17
3-METHYLPYRIDINE		17
4-METHYLPYRIDINE		17
alpha-Methylpyridine	2-METHYLPYRIDINE	17
1-Methylpyrrolidin-2-one	N-METHYL-2-PYRROLIDONE	17

Chapter 19 of the IBC Code

Page 35 of 53

Index Name	Product Name	Chapter
1-Methyl-2-pyrrolidinone	N-METHYL-2-PYRROLIDONE	17
N-Methylpyrrolidinone	N-METHYL-2-PYRROLIDONE	17
1-Methyl-2-pyrrolidone	N-METHYL-2-PYRROLIDONE	17
N-METHYL-2-PYRROLIDONE		17
METHYL SALICYLATE		17
Methylstyrene (all isomers)	VINYLTOLUENE	17
ALPHA-METHYLSTYRENE		17
3-(METHYLTHIO)PROPIONALDEHYDE		17
2-Methyltrimethylene glycol	2-METHYL-1,3-PROPANEDIOL	17
Metolachlor	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL CHLOROACETANILIDE	17
MICROSILICA SLURRY		18
Middle oil	CARBOLIC OIL	17
Milk acid	LACTIC ACID	17
Milk of magnesia	MAGNESIUM HYDROXIDE SLURRY	18
Mineral jelly	PETROLATUM	17
Mineral wax	PETROLATUM	17
Mixed aliphatic oxygenated hydrocarbons, primary aliphatic alcohols and aliphatic ethers: mol wt: >200 (a)	OXYGENATED ALIPHATIC HYDROCARBON MIXTURE	17
MOLASSES		18
MOLYBDENUM POLYSULFIDE LONG CHAIN ALKYL DITHIOCARBAMIDE COMPLEX		17
Monochlorobenzene	CHLOROBENZENE	17
Monochlorobenzol	CHLOROBENZENE	17
Monoethanolamine	ETHANOLAMINE	17
Monoethylamine	ETHYLAMINE	17
Monoethylamine solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)	17
Monoisopropanolamine	ISOPROPANOLAMINE	17
Monoisopropylamine	ISOPROPYLAMINE	17
Monomethylamine solutions, 42% or less	METHYLAMINE SOLUTIONS (42% OR LESS)	17
Monopropylamine	N-PROPYLAMINE	17
Monopropylene glycol	PROPYLENE GLYCOL	18
MORPHOLINE		17
MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)		17
Muriatic acid	HYDROCHLORIC ACID	17
MYRCENE		17
Naphtha, coal tar	COAL TAR NAPHTHA SOLVENT	17
NAPHTHALENE (MOLTEN)		17
NAPHTHALENESULPHONIC ACID-FORMALDEHYDE COPOLYMER, SODIUM SALT SOLUTION		17
Naphtha (petroleum), Light Steam-cracked Aromatics (a)	ALKYLBENZENE MIXTURES (CONTAINING AT LEAST 50% OF TOLUENE)	17
Naphtha safety solvent	WHITE SPIRIT, LOW (15-20%) AROMATIC	17
NEODECANOIC ACID		17
Neodecanoic acid, 2,3-epoxypropyl ester	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17
Neodecanoic acid, glycidyl ester	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17
Neodecanoic acid vinyl ester	VINYL NEODECANOATE	17

Chapter 19 of the IBC Code

Page 36 of 53

Index Name	Product Name	Chapter
Neopentane (a)	PENTANE (ALL ISOMERS)	17
Neopentanoic acid	TRIMETHYLACETIC ACID	17
Neopentylene glycol	2,2-DIMETHYLPROPANE-1,3-DIOL (MOLTEN OR SOLUTION)	17
NITRATING ACID (MIXTURE OF SULPHURIC AND NITRIC ACIDS)		17
NITRIC ACID (70% AND OVER)		17
NITRIC ACID (LESS THAN 70%)		17
Nitric acid, fuming (a)	NITRIC ACID (70% AND OVER)	17
Nitric acid, red fuming	NITRIC ACID (70% AND OVER)	17
NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION		17
2,2',2''-Nitrilotriethanol	TRIETHANOLAMINE	17
Nitrilo-2,2',2''-triethanol	TRIETHANOLAMINE	17
1,1',1''-Nitrilotripropan-2-ol	TRIISOPROPANOLAMINE	17
1,1',1''-Nitrilotri-2-propanol	TRIISOPROPANOLAMINE	17
NITROBENZENE		17
Nitrobenzol	NITROBENZENE	17
o-Nitrochlorobenzene	O-CHLORONITROBENZENE	17
NITROETHANE		17
NITROETHANE(80%)/ NITROPROPANE(20%)		17
NITROETHANE, 1-NITROPROPANE (EACH 15% OR MORE) MIXTURE		17
ortho-Nitrophenol (molten)	O-NITROPHENOL (MOLTEN)	17
2-Nitrophenol (molten)	O-NITROPHENOL (MOLTEN)	17
O-NITROPHENOL (MOLTEN)		17
1- OR 2-NITROPROPANE		17
NITROPROPANE (60%)/NITROETHANE (40%) MIXTURE		17
2-Nitrotoluene (a)	O- OR P-NITROTOLUENES	17
4-Nitrotoluene (a)	O- OR P-NITROTOLUENES	17
o-Nitrotoluene (a)	O- OR P-NITROTOLUENES	17
p-Nitrotoluene (a)	O- OR P-NITROTOLUENES	17
O- OR P-NITROTOLUENES		17
NONANE (ALL ISOMERS)		17
1-Nonanecarboxylic acid	DECANOIC ACID	17
n-Nonane (a)	NONANE (ALL ISOMERS)	17
NONANOIC ACID (ALL ISOMERS)		17
Nonanols	NONYL ALCOHOL (ALL ISOMERS)	17
NON-EDIBLE INDUSTRIAL GRADE PALM OIL		17
NONENE (ALL ISOMERS)		17
NONYL ALCOHOL (ALL ISOMERS)		17
Nonylcarbinol	DECYL ALCOHOL (ALL ISOMERS)	17
Nonylene (a)	NONENE (ALL ISOMERS)	17
Nonyl hydride (a)	NONANE (ALL ISOMERS)	17
NONYL METHACRYLATE MONOMER		17
NONYLPHENOL		17
NONYLPHENOL POLY(4+)ETHOXYLATE		17

Chapter 19 of the IBC Code

Page 37 of 53

Index Name	Product Name	Chapter
alpha-4-Nonylphenyl-omega-hydroxypoly(oxyethylene) (b)	ALKARYL POLYETHERS (C9-C20)	17
Nopinen	BETA-PINENE	17
Nopinene	BETA-PINENE	17
NOXIOUS LIQUID, NF, (1) N.O.S. (TRADE NAME, CONTAINS) ST1, CAT. X		17
NOXIOUS LIQUID, F, (2) N.O.S. (TRADE NAME, CONTAINS) ST1, CAT. X		17
NOXIOUS LIQUID, NF, (3) N.O.S. (TRADE NAME, CONTAINS) ST2, CAT. X		17
NOXIOUS LIQUID, F, (4) N.O.S. (TRADE NAME, CONTAINS) ST2, CAT. X		17
NOXIOUS LIQUID, NF, (5) N.O.S. (TRADE NAME, CONTAINS) ST2, CAT. Y		17
NOXIOUS LIQUID, F, (6) N.O.S. (TRADE NAME, CONTAINS) ST2, CAT. Y		17
NOXIOUS LIQUID, NF, (7) N.O.S. (TRADE NAME, CONTAINS) ST3, CAT. Y		17
NOXIOUS LIQUID, F, (8) N.O.S. (TRADE NAME, CONTAINS) ST3, CAT. Y		17
NOXIOUS LIQUID, NF, (9) N.O.S. (TRADE NAME, CONTAINS) ST3, CAT. Z		17
NOXIOUS LIQUID, F, (10) N.O.S. (TRADE NAME, CONTAINS) ST3, CAT. Z		17
NOXIOUS LIQUID, (11) N.O.S. (TRADE NAME, CONTAINS) CAT. Z		18
NON NOXIOUS LIQUID, (12) N.O.S. (TRADE NAME, CONTAINS) CAT. OS		18
Octadecan-1-ol	ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR	17
1-Octadecanol	ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR	17
OCTAMETHYLCYCLOTETRAILOXANE		17
Octanal (a)	OCTYL ALDEHYDES	17
OCTANE (ALL ISOMERS)		17
OCTANOIC ACID (ALL ISOMERS)		17
OCTANOL (ALL ISOMERS)		17
Octan-1-ol (a)	OCTANOL (ALL ISOMERS)	17
OCTENE (ALL ISOMERS)		17
Octic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Octoic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Octyl acetate	N-OCTYL ACETATE	17
N-OCTYL ACETATE		17
Octyl acrylate	2-ETHYLHEXYL ACRYLATE	17
Octyl adipate	DI-(2-ETHYLHEXYL) ADIPATE	17
Octyl alcohol (a)	OCTANOL (ALL ISOMERS)	17
OCTYL ALDEHYDES		17
Octylcarbinol	NONYL ALCOHOL (ALL ISOMERS)	17
OCTYL DECYL ADIPATE		17
Octyl decyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
Octylic acid (a)	OCTANOIC ACID (ALL ISOMERS)	17
Octyl nitrate	ALKYL (C7-C9) NITRATES	17
Octyl nitrates (all isomers)	ALKYL (C7-C9) NITRATES	17

Chapter 19 of the IBC Code

Page 38 of 53

Index Name	Product Name	Chapter
Octyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
Oenanthic acid	N-HEPTANOIC ACID	17
Oenanthylic acid	N-HEPTANOIC ACID	17
Oil of Mirbane	NITROBENZENE	17
Oil of Myrbane	NITROBENZENE	17
Oil of turpentine	TURPENTINE	17
Oil of vitriol	SULPHURIC ACID	17
Oil of wintergreen	METHYL SALICYLATE	17
Oleamine	OLEYLAMINE	17
OLEFIN-ALKYL ESTER COPOLYMER (MOLECULAR WEIGHT 2000+)		17
OLEFIN MIXTURE (C7-C9) C8 RICH, STABILISED		17
OLEFIN MIXTURES (C5-C7)		17
OLEFIN MIXTURES (C5-C15)		17
OLEFINS (C13+, ALL ISOMERS)		17
ALPHA-OLEFINS (C6-C18) MIXTURES		17
OLEIC ACID		17
OLEUM		17
OLEYLAMINE		17
OLIVE OIL		17
ORANGE JUICE (CONCENTRATED)		18
ORANGE JUICE (NOT CONCENTRATED)		18
Orthophosphoric acid	PHOSPHORIC ACID	17
Oxal	GLYOXAL SOLUTION (40% OR LESS)	17
Oxalaldehyde	GLYOXAL SOLUTION (40% OR LESS)	17
3-Oxapentane-1,5-diol	DIETHYLENE GLYCOL	18
1,4-Oxazinane	MORPHOLINE	17
2-Oxetanone	BETA-PROPIOLACTONE	17
Oxoacetic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)	17
Oxoethanoic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)	17
2,2'-Oxybis(1-chloropropane)	2,2'-DICHLOROISOPROPYL ETHER	17
2,2'-Oxybis(ethyleneoxy)diethanol	TETRAETHYLENE GLYCOL	17
2,2'-Oxybispropane	ISOPROPYL ETHER	17
2,2'-Oxydiethanol	DIETHYLENE GLYCOL	18
1,1'-Oxydipropan-2-ol	DIPROPYLENE GLYCOL	17
OXYGENATED ALIPHATIC HYDROCARBON MIXTURE		17
Oxymethylene	FORMALDEHYDE SOLUTIONS (45% OR LESS)	17
PALM ACID OIL		17
PALM FATTY ACID DISTILLATE		17
PALM KERNEL ACID OIL		17
PALM KERNEL FATTY ACID DISTILLATE		17
PALM KERNEL OIL		17
PALM KERNEL OLEIN		17
PALM KERNEL STEARIN		17
PALM MID-FRACTION		17
PALM OIL		17

Chapter 19 of the IBC Code

Page 39 of 53

Index Name	Product Name	Chapter
PALM OIL FATTY ACID METHYL ESTER		17
PALM OLEIN		17
PALM STEARIN		17
Paraffin	PARAFFIN WAX	17
Paraffin jelly	PETROLATUM	17
Paraffin scale	PARAFFIN WAX	17
n-Paraffins (C10-C20) (a)	N-ALKANES (C10+)	17
PARAFFIN WAX		17
PARALDEHYDE		17
PARALDEHYDE-AMMONIA REACTION PRODUCT		17
Pelargonic acid	NONANOIC ACID (ALL ISOMERS)	17
Pelargonic alcohol	NONYL ALCOHOL (ALL ISOMERS)	17
PENTACHLOROETHANE		17
Pentadecanol (a)	ALCOHOLS (C13+)	17
1-Pentadecene	OLEFINS (C13+, ALL ISOMERS)	17
Pentadec-1-ene (a)	OLEFINS (C13+, ALL ISOMERS)	17
1,3-PENTADIENE		17
Penta-1,3-diene	1,3-PENTADIENE	17
1,3-PENTADIENE (GREATER THAN 50%), CYCLOPENTENE AND ISOMERS, MIXTURES		17
Pentaethylene glycol (a)	POLYETHYLENE GLYCOL	17
PENTAETHYLENEHEXAMINE		17
Pentalin	PENTACHLOROETHANE	17
Pentamethylene	CYCLOPENTANE	17
2,2,4,6,6-Pentamethyl-4-heptanethiol (a)	TERT-DODECANETHIOL	17
Pentanal	VALERALDEHYDE (ALL ISOMERS)	17
Pentane (a)	PENTANE (ALL ISOMERS)	17
PENTANE (ALL ISOMERS)		17
Pentanediol solutions, 50% or less	GLUTARALDEHYDE SOLUTIONS (50% OR LESS)	17
n-Pentane (a)	PENTANE (ALL ISOMERS)	17
PENTANOIC ACID		17
N-PENTANOIC ACID (64%)/2-METHYL BUTYRIC ACID (36%) MIXTURE		17
tert-Pentanoic acid	TRIMETHYLACETIC ACID	17
1-Pentanol	N-AMYL ALCOHOL	17
Pentan-1-ol	N-AMYL ALCOHOL	17
2-Pentanol	SEC-AMYL ALCOHOL	17
Pentan-2-ol	SEC-AMYL ALCOHOL	17
3-Pentanol	SEC-AMYL ALCOHOL	17
Pentan-3-ol	SEC-AMYL ALCOHOL	17
1-Pentanol acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
n-Pentanol	N-AMYL ALCOHOL	17
sec-Pentanol	SEC-AMYL ALCOHOL	17
tert-Pentanol	TERT-AMYL ALCOHOL	17
2-Pentanone	METHYL PROPYL KETONE	18
Pentan-2-one	METHYL PROPYL KETONE	18

Chapter 19 of the IBC Code

Page 40 of 53

Index Name	Product Name	Chapter
Pentasodium diethylenetriaminepentaacetate solution	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION	17
PENTENE (ALL ISOMERS)		17
Pent-1-ene (a)	PENTENE (ALL ISOMERS)	17
n-Pentene (a)	PENTENE (ALL ISOMERS)	17
Pentenes	PENTENE (ALL ISOMERS)	17
Pentyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
sec-Pentyl acetate (a)	AMYL ACETATE (ALL ISOMERS)	17
Pentyl alcohol	N-AMYL ALCOHOL	17
sec-Pentyl alcohol	SEC-AMYL ALCOHOL	17
tert-Pentyl alcohol	TERT-AMYL ALCOHOL	17
Pentyl propanoate	N-PENTYL PROPIONATE	17
N-PENTYL PROPIONATE		17
PERCHLOROETHYLENE		17
Perchloromethane	CARBON TETRACHLORIDE	17
Perhydroazepine	HEXAMETHYLENEIMINE	17
PETROLATUM		17
Petroleum jelly	PETROLATUM	17
Phene	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Phenic acid	PHENOL	17
PHENOL		17
2-Phenoxyethanol	ETHYLENE GLYCOL PHENYL ETHER	17
Phenyl alkane(C10-C21)sulphonate (a)	ALKYL SULPHONIC ACID ESTER OF PHENOL	17
Phenylamine	ANILINE	17
N-Phenylaniline	DIPHENYLAMINE (MOLTEN)	17
N-Phenylbenzenamine	DIPHENYLAMINE (MOLTEN)	17
1-Phenylbutane (a)	BUTYLBENZENE (ALL ISOMERS)	17
2-Phenylbutane (a)	BUTYLBENZENE (ALL ISOMERS)	17
Phenyl carbinol	BENZYL ALCOHOL	17
Phenyl 'cellosolve'	ETHYLENE GLYCOL PHENYL ETHER	17
Phenyl chloride	CHLOROBENZENE	17
1-Phenyldecane (b)	ALKYL(C9+)BENZENES	17
1-Phenyldodecane	ALKYL(C9+)BENZENES	17
Phenylethane	ETHYLBENZENE	17
Phenyl ether	DIPHENYL ETHER	17
Phenylethylene	STYRENE MONOMER	17
1-(Phenylethyl)xylene	1-PHENYL-1-XYLYL ETHANE	17
Phenyl hydride	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Phenyl hydroxide	PHENOL	17
Phenylic acid	PHENOL	17
Phenylmethane	TOLUENE	17
Phenylmethanol	BENZYL ALCOHOL	17
Phenylmethyl acetate	BENZYL ACETATE	17
1-Phenylpropane (a)	PROPYLBENZENE (ALL ISOMERS)	17
2-Phenylpropane (a)	PROPYLBENZENE (ALL ISOMERS)	17
2-Phenylpropene	ALPHA-METHYLSTYRENE	17

Chapter 19 of the IBC Code

Page 41 of 53

Index Name	Product Name	Chapter
1-Phenyltetradecane	ALKYL(C9+)BENZENES	17
1-Phenyltridecane	ALKYL(C9+)BENZENES	17
1-Phenylundecane	ALKYL(C9+)BENZENES	17
Phenylxylylethane	1-PHENYL-1-XYLYL ETHANE	17
1-PHENYL-1-XYLYL ETHANE		17
1-Phenyl-1-(2,5-xylyl)ethane (a)	1-PHENYL-1-XYLYL ETHANE	17
1-Phenyl-1-(3,4-xylyl)ethane (a)	1-PHENYL-1-XYLYL ETHANE	17
PHOSPHATE ESTERS, ALKYL (C12-C14) AMINE		17
L-alpha-Phosphatidyl choline	LECITHIN	18
N-(phosphonomethyl)glycine	GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17
PHOSPHORIC ACID		17
PHOSPHORUS, YELLOW OR WHITE		17
Phthalandione (molten)	PHTHALIC ANHYDRIDE (MOLTEN)	17
Phthalic acid anhydride (molten)	PHTHALIC ANHYDRIDE (MOLTEN)	17
Phthalic acid, diundecyl ester	DIUNDECYL PHTHALATE	17
PHTHALIC ANHYDRIDE (MOLTEN)		17
2-Picoline	2-METHYLPYRIDINE	17
3-Picoline	3-METHYLPYRIDINE	17
4-Picoline	4-METHYLPYRIDINE	17
alpha-Picoline	2-METHYLPYRIDINE	17
beta-Picoline	3-METHYLPYRIDINE	17
gamma-Picoline	4-METHYLPYRIDINE	17
Pimelic ketone	CYCLOHEXANONE	17
2-Pinene	ALPHA-PINENE	17
2(10)-Pinene	BETA-PINENE	17
ALPHA-PINENE		17
BETA-PINENE		17
PINE OIL		17
2-Piperazin-1-ylethylamine	N-AMINOETHYLPIPERAZINE	17
Piperylene	1,3-PENTADIENE	17
Piperylene concentrates (Mixed)	1,3-PENTADIENE (GREATER THAN 50%), CYCLOPENTENE AND ISOMERS, MIXTURES	17
Pivalic acid	TRIMETHYLACETIC ACID	17
Poly(oxyethylene)	POLYETHER (MOLECULAR WEIGHT 1350+)	17
Poly(oxyethyleneoxyethyleneoxyphthaloyl)	DIETHYLENE GLYCOL PHTHALATE	17
Poly(sodium carboxylatoethylene)	SODIUM POLY(4+)ACRYLATE SOLUTIONS	17
POLYACRYLIC ACID SOLUTION (40% OR LESS)		17
POLYALKYL (C18-C22) ACRYLATE IN XYLENE		17
POLYALKYLALKENAMINESUCCINIMIDE, MOLYBDENUM OXYSULPHIDE		17
POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER		17
POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE		17
Poly (2-8) alkylene (C2-C3) glycols / Polyalkylene (C2-C10) glycol monoalkyl (C1-C4) ethers and their borate esters (a)	BRAKE FLUID BASE MIX: POLY(2-8)ALKYLENE (C2-C3) GLYCOLS/POLYALKYLENE (C2-C10) GLYCOLS MONOALKYL (C1-C4) ETHERS AND THEIR BORATE ESTERS	17
POLYALKYL (C10-C20) METHACRYLATE		17

Chapter 19 of the IBC Code

Page 42 of 53

Index Name	Product Name	Chapter
POLYALKYL (C10-C18)		17
METHACRYLATE/ETHYLENE-PROPYLENE COPOLYMER MIXTURE		
POLYALUMINIUM CHLORIDE SOLUTION		18
POLYBUTENE		17
POLYBUTENYL SUCCINIMIDE		17
POLY(2+)CYCLIC AROMATICS		17
POLYETHER (MOLECULAR WEIGHT 1350+)		17
POLYETHYLENE GLYCOL		17
Poly(4-12)ethylene glycol alkyl(C7-C11)phenyl ether	NONYLPHENOL POLY(4+)ETHOXYLATE	17
POLYETHYLENE GLYCOL DIMETHYL ETHER		17
POLY(ETHYLENE GLYCOL) METHYLBUTENYL ETHER (MW>1000)		17
Polyethylene glycols, mono(p-nonylphenyl) ether (b)	ALKARYL POLYETHERS (C9-C20)	17
Poly(ethylene oxide) (molecular weight 1350+) (a)	POLYETHER (MOLECULAR WEIGHT 1350+)	17
POLYETHYLENE POLYAMINES		17
POLYETHYLENE POLYAMINES (MORE THAN 50% C5 -C20 PARAFFIN OIL)		17
POLYFERRIC SULPHATE SOLUTION		17
Polyglucitol	HYDROGENATED STARCH HYDROLYSATE	18
POLYGLYCERIN, SODIUM SALT SOLUTION (CONTAINING LESS THAN 3% SODIUM HYDROXIDE)		18
Polyglycitol syrup	HYDROGENATED STARCH HYDROLYSATE	18
POLY(IMINOETHYLENE)-GRAFT-N-POLY (ETHYLENEOXY) SOLUTION (90% OR LESS)		17
POLYISOBUTENAMINE IN ALIPHATIC (C10-C14) SOLVENT		17
POLYISOBUTENYL ANHYDRIDE ADDUCT		17
Polyisobutylene	POLY(4+)ISOBUTYLENE	17
POLY(4+)ISOBUTYLENE		17
POLYMETHYLENE POLYPHENYL ISOCYANATE		17
POLYOLEFIN (MOLECULAR WEIGHT 300+)		17
POLYOLEFIN AMIDE ALKENEAMINE (C17+)		17
POLYOLEFIN AMIDE ALKENEAMINE BORATE (C28-C250)		17
POLYOLEFIN AMIDE ALKENEAMINE POLYOL		17
POLYOLEFINAMINE (C28-C250)		17
POLYOLEFINAMINE IN ALKYL (C2-C4) BENZENES		17
POLYOLEFINAMINE IN AROMATIC SOLVENT		17
POLYOLEFIN AMINOESTER SALTS (MOLECULAR WEIGHT 2000+)		17
POLYOLEFIN ANHYDRIDE		17
POLYOLEFIN ESTER (C28-C250)		17
POLYOLEFIN PHENOLIC AMINE (C28-C250)		17
POLYOLEFIN PHOSPHOROSULPHIDE, BARIUM DERIVATIVE (C28-C250)		17
Poly(oxyalkylene)alkenyl ether (MW>1000)	POLY(ETHYLENE GLYCOL) METHYLBUTENYL ETHER (MW>1000)	17
Poly(oxy-1,2-ethanediyl), alpha-(3-methyl-3-butenyl)-, omega-hydroxy-	POLY(ETHYLENE GLYCOL) METHYLBUTENYL ETHER (MW>1000)	17

Chapter 19 of the IBC Code

Page 43 of 53

Index Name	Product Name	Chapter
POLY(20)OXYETHYLENE SORBITAN MONOOLEATE		17
Poly(oxypropylene) (molecular weight 1350+) (a)	POLYETHER (MOLECULAR WEIGHT 1350+)	17
poly[(phenyl isocyanate)-alt-formaldehyde] (a)	POLYMETHYLENE POLYPHENYL ISOCYANATE	17
Poly[(phenyl isocyanate)-co-formaldehyde] (a)	POLYMETHYLENE POLYPHENYL ISOCYANATE	17
Poly[propene oxide]	POLYETHER (MOLECULAR WEIGHT 1350+)	17
Polypropylene	POLY(5+)PROPYLENE	17
POLY(5+)PROPYLENE		17
POLYPROPYLENE GLYCOL		17
POLYSILOXANE		17
Potash lye solution	POTASSIUM HYDROXIDE SOLUTION	17
Potassium chloride brine (<26%)	POTASSIUM CHLORIDE SOLUTION (LESS THAN 26%)	18
Potassium chloride drilling brine	POTASSIUM CHLORIDE SOLUTION	17
POTASSIUM CHLORIDE SOLUTION		17
POTASSIUM CHLORIDE SOLUTION (LESS THAN 26%)		18
POTASSIUM FORMATE SOLUTIONS		18
POTASSIUM HYDROXIDE SOLUTION		17
POTASSIUM OLEATE		17
POTASSIUM THIOSULPHATE (50% OR LESS)		17
Propanal	PROPIONALDEHYDE	17
Propan-1-amine	N-PROPYLAMINE	17
2-Propanamine	ISOPROPYLAMINE	17
1,2-Propanediol	PROPYLENE GLYCOL	18
Propane-1,2-diol	PROPYLENE GLYCOL	18
1,2-Propanediol cyclic carbonate	PROPYLENE CARBONATE	18
Propanenitrile	PROPIONITRILE	17
1,2,3-Propanetriol	GLYCERINE	18
Propane-1,2,3-triol	GLYCERINE	18
1,2,3-Propanetriol triacetate	GLYCERYL TRIACETATE	17
Propanoic acid	PROPIONIC ACID	17
Propanoic anhydride	PROPIONIC ANHYDRIDE	17
Propanol	N-PROPYL ALCOHOL	17
1-Propanol	N-PROPYL ALCOHOL	17
Propan-1-ol	N-PROPYL ALCOHOL	17
2-Propanol	ISOPROPYL ALCOHOL	18
Propan-2-ol	ISOPROPYL ALCOHOL	18
N-PROPANOLAMINE		17
3-Propanolide	BETA-PROPIOLACTONE	17
n-Propanol	N-PROPYL ALCOHOL	17
Propanone	ACETONE	18
2-Propanone	ACETONE	18
Propan-2-one	ACETONE	18
Propenamide solution, 50% or less	ACRYLAMIDE SOLUTION (50% OR LESS)	17
2-PROPENE-1-AMINIUM, N,N-DIMETHYL-N-2-PROPENYL-, CHLORIDE, HOMOPOLYMER SOLUTION		17
Propenitrile	ACRYLONITRILE	17

Chapter 19 of the IBC Code

Page 44 of 53

Index Name	Product Name	Chapter
Propene oxide	PROPYLENE OXIDE	17
Propenoic acid	ACRYLIC ACID	17
2-Propenoic acid, homopolymer solution (40% or less)	POLYACRYLIC ACID SOLUTION (40% OR LESS)	17
1-Propenol-3	ALLYL ALCOHOL	17
2-Propen-1-ol	ALLYL ALCOHOL	17
Prop-2-en-1-ol	ALLYL ALCOHOL	17
Propenyl alcohol	ALLYL ALCOHOL	17
Propiolactone	BETA-PROPIOLACTONE	17
BETA-PROPIOLACTONE		17
PROPIONALDEHYDE		17
PROPIONIC ACID		17
Propionic aldehyde	PROPIONALDEHYDE	17
PROPIONIC ANHYDRIDE		17
PROPIONITRILE		17
beta-Propionolactone	BETA-PROPIOLACTONE	17
Propionitrile	PROPIONITRILE	17
Propionyl oxide	PROPIONIC ANHYDRIDE	17
1-Propoxypropan-2-ol (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propyl acetate	N-PROPYL ACETATE	17
N-PROPYL ACETATE		17
Propyl acetone	METHYL BUTYL KETONE	17
Propyl alcohol	N-PROPYL ALCOHOL	17
2-Propyl alcohol	ISOPROPYL ALCOHOL	18
N-PROPYL ALCOHOL		17
sec-Propyl alcohol	ISOPROPYL ALCOHOL	18
Propyl aldehyde	PROPIONALDEHYDE	17
Propylamine	N-PROPYLAMINE	17
N-PROPYLAMINE		17
PROPYLBENZENE (ALL ISOMERS)		17
n-Propylbenzene (a)	PROPYLBENZENE (ALL ISOMERS)	17
Propylcarbinol	N-BUTYL ALCOHOL	18
Propylene aldehyde	CROTONALDEHYDE	17
2,2'-[Propylenebis(nitrimethylene)]diphenol in aromatic solvent	ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS	17
PROPYLENE CARBONATE		18
Propylene chloride	1,2-DICHLOROPROPANE	17
Propylene dichloride	1,2-DICHLOROPROPANE	17
alpha,alpha'- (Propylenedinitrilo)di-o-cresol in aromatic solvent	ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS	17
Propylene epoxide	PROPYLENE OXIDE	17
PROPYLENE GLYCOL		18
1,2-Propylene glycol	PROPYLENE GLYCOL	18
Propylene glycol n-butyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propylene glycol ethyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propylene glycol methyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
PROPYLENE GLYCOL METHYL ETHER ACETATE		17
PROPYLENE GLYCOL MONOALKYL ETHER		17

Chapter 19 of the IBC Code

Page 45 of 53

Index Name	Product Name	Chapter
Propylene glycol monobutyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propylene glycol beta-monoethyl ether	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propylene glycol monomethyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
PROPYLENE GLYCOL PHENYL ETHER		17
Propylene glycol propyl ether (a)	PROPYLENE GLYCOL MONOALKYL ETHER	17
Propylene glycol trimer	TRIPROPYLENE GLYCOL	17
1,2-Propylene glycol trimer	TRIPROPYLENE GLYCOL	17
PROPYLENE OXIDE		17
PROPYLENE TETRAMER		17
PROPYLENE TRIMER		17
Propylethylene (a)	PENTENE (ALL ISOMERS)	17
Propyl methyl ketone	METHYL PROPYL KETONE	18
N-Propyl-1-propanamine	DI-N-PROPYLAMINE	17
Pseudobutylene glycol	BUTYLENE GLYCOL	17
Pseudocumene	TRIMETHYLBENZENE (ALL ISOMERS)	17
Pseudopinene	BETA-PINENE	17
Psuedopinene	BETA-PINENE	17
Pygas	PYROLYSIS GASOLINE (CONTAINING BENZENE)	17
PYRIDINE		17
Pyroacetic acid	ACETONE	18
Pyroacetic ether	ACETONE	18
PYROLYSIS GASOLINE (CONTAINING BENZENE)		17
Pyrolysis gasoline (steam-cracked naphtha)	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Pyrolysis gasoline, containing 10% or more benzene	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17
Pyromucic aldehyde	FURFURAL	17
RAPESEED OIL		17
RAPESEED OIL (LOW ERUCIC ACID CONTAINING LESS THAN 4% FREE FATTY ACIDS)		17
RAPE SEED OIL FATTY ACID METHYL ESTERS		17
RESIN OIL, DISTILLED		17
RICE BRAN OIL		17
ROSIN		17
SAFFLOWER OIL		17
Saturated fatty acid (C13 and above) (a)	FATTY ACID (SATURATED C13+)	17
SHEA BUTTER		17
Sludge acid	SULPHURIC ACID, SPENT	17
Soda ash solution	SODIUM CARBONATE SOLUTION	17
Soda lye solution	SODIUM HYDROXIDE SOLUTION	17
SODIUM ACETATE SOLUTIONS		18
Sodium acid sulphite solution (45% or less)	SODIUM HYDROGEN SULPHITE SOLUTION (45% OR LESS)	17
Sodium alkylbenzene sulphonate solution	ALKYLBENZENE SULPHONIC ACID, SODIUM SALT SOLUTION	17
SODIUM ALKYL (C14-C17) SULPHONATES (60-65% SOLUTION)		17
SODIUM ALUMINOSILICATE SLURRY		17

Chapter 19 of the IBC Code

Page 46 of 53

Index Name	Product Name	Chapter
Sodium aminoacetate solution	GLYCINE, SODIUM SALT SOLUTION	17
SODIUM BENZOATE		17
Sodium 1,3-benzothiazole-2-thiolate solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17
Sodium 1,3-benzothiazol-2-yl sulphide solution	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION	17
SODIUM BICARBONATE SOLUTION (LESS THAN 10%)		18
Sodium bichromate solution (70% or less)	SODIUM DICHROMATE SOLUTION (70% OR LESS)	17
Sodium bisulphide solution (45% or less)	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)	17
SODIUM BOROHYDRIDE (15% OR LESS)/SODIUM HYDROXIDE SOLUTION		17
SODIUM BROMIDE SOLUTION (LESS THAN 50%) (*)		17
SODIUM CARBONATE SOLUTION		17
SODIUM CHLORATE SOLUTION (50% OR LESS)		17
Sodium cresylate solution	CRESYLIC ACID, SODIUM SALT SOLUTION	17
SODIUM DICHROMATE SOLUTION (70% OR LESS)		17
Sodium glycinate solution	GLYCINE, SODIUM SALT SOLUTION	17
Sodium hydrate solution	SODIUM HYDROXIDE SOLUTION	17
SODIUM HYDROGEN SULPHIDE (6% OR LESS)/SODIUM CARBONATE (3% OR LESS) SOLUTION		17
Sodium hydrogensulphide solution (45% or less)	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)	17
SODIUM HYDROGEN SULPHITE SOLUTION (45% OR LESS)		17
SODIUM HYDROSULPHIDE/AMMONIUM SULPHIDE SOLUTION		17
SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)		17
SODIUM HYDROXIDE SOLUTION		17
SODIUM HYPOCHLORITE SOLUTION (15% OR LESS)		17
Sodium lignosulphonate	LIGNINSULPHONIC ACID, SODIUM SALT SOLUTION	17
Sodium methanolate	SODIUM METHYLATE 21-30% IN METHANOL	17
Sodium methoxide	SODIUM METHYLATE 21-30% IN METHANOL	17
SODIUM METHYLATE 21-30% IN METHANOL		17
Sodium methylcarbamodithioate	METAM SODIUM SOLUTION	17
Sodium N-methyldithiocarbamate	METAM SODIUM SOLUTION	17
Sodium methyldithiocarbamate solution	METAM SODIUM SOLUTION	17
SODIUM NITRITE SOLUTION		17
SODIUM PETROLEUM SULFONATE		17
SODIUM POLY(4+)ACRYLATE SOLUTIONS		17
Sodium rhodanate solution (56% or less)	SODIUM THIOCYANATE SOLUTION (56% OR LESS)	17
Sodium rhodanide solution (56% or less)	SODIUM THIOCYANATE SOLUTION (56% OR LESS)	17
Sodium salt of sulphonated naphthalene - formaldehyde condensate	NAPHTHALENESULPHONIC ACID-FORMALDEHYDE COPOLYMER, SODIUM SALT SOLUTION	17
SODIUM SILICATE SOLUTION		17
SODIUM SULPHATE SOLUTIONS		18
SODIUM SULPHIDE SOLUTION (15% OR LESS)		17
SODIUM SULPHITE SOLUTION (25% OR LESS)		17

Chapter 19 of the IBC Code

Page 47 of 53

Index Name	Product Name	Chapter
Sodium sulphocyanate solution (56% or less)	SODIUM THIOCYANATE SOLUTION (56% OR LESS)	17
Sodium sulphocyanide solution (56% or less)	SODIUM THIOCYANATE SOLUTION (56% OR LESS)	17
Sodium tetrahydroborate (15% or less) / sodium hydroxide solution	SODIUM BOROHYDRIDE (15% OR LESS)/SODIUM HYDROXIDE SOLUTION	17
SODIUM THIOCYANATE SOLUTION (56% OR LESS)		17
Sodium tolyl oxides solution	CRESYLIC ACID, SODIUM SALT SOLUTION	17
'D-D Soil fumigant'	DICHLOROPROPENE/DICHLOROPROPANE MIXTURES	17
d-Sorbitol solution	SORBITOL SOLUTION	18
SORBITOL SOLUTION		18
d-Sorbitol solution	SORBITOL SOLUTION	18
SOYABEAN OIL		17
Spirit of turpentine	TURPENTINE	17
Spirits of wine	ETHYL ALCOHOL	18
Stoddard solvent	WHITE SPIRIT, LOW (15-20%) AROMATIC	17
STYRENE MONOMER		17
Styrol	STYRENE MONOMER	17
Suberane	CYCLOHEPTANE	17
Sulfonic acid, alkane(C10-C21) phenyl ester (a)	ALKYL SULPHONIC ACID ESTER OF PHENOL	17
SULPHOHYDROCARBON (C3-C88)		17
SULPHOLANE		17
SULPHONATED POLYACRYLATE SOLUTION		18
SULPHUR (MOLTEN)		17
SULPHURIC ACID		17
Sulphuric acid, fuming	OLEUM	17
SULPHURIC ACID, SPENT		17
Sulphuric chlorohydrin	CHLOROSULPHONIC ACID	17
Sulphuric ether	DIETHYL ETHER	17
SULPHURIZED FAT (C14-C20)		17
SULPHURIZED POLYOLEFINAMIDE ALKENE (C28-C250) AMINE		17
SUNFLOWER SEED OIL		17
Sweet-birch oil	METHYL SALICYLATE	17
sym-Dichloroethane	ETHYLENE DICHLORIDE	17
sym-Dichloroethyl ether	DICHLOROETHYL ETHER	17
sym-Diisopropylacetone	DIISOBUTYL KETONE	17
sym-Dimethylethylene glycol	BUTYLENE GLYCOL	17
sym-Tetrachloroethane	TETRACHLOROETHANE	17
sym-Trioxane	1,3,5-TRIOXANE	17
TALL OIL, CRUDE		17
TALL OIL, DISTILLED		17
TALL OIL FATTY ACID (RESIN ACIDS LESS THAN 20%)		17
TALL OIL PITCH		17
TALLOW		17
TALLOW FATTY ACID		17
Tar acids (cresols)	CRESOLS (ALL ISOMERS)	17
Tar camphor	NAPHTHALENE (MOLTEN)	17

Chapter 19 of the IBC Code

Page 48 of 53

Index Name	Product Name	Chapter
Terephthalic acid, dibutyl ester	DIBUTYL TEREPHTHALATE	17
3,6,9,12-Tetraazatetradecamethylenediamine	PENTAETHYLENEHEXAMINE	17
3,6,9,12-Tetraazatetradecane-1,14-diamine	PENTAETHYLENEHEXAMINE	17
1,3,5,7-Tetraazatricyclo[3.3.1.1 ^{3,7}]decane	HEXAMETHYLENETETRAMINE SOLUTIONS	18
TETRACHLOROETHANE		17
1,1,2,2-Tetrachloroethane	TETRACHLOROETHANE	17
Tetrachloroethylene	PERCHLOROETHYLENE	17
1,1,2,2-tetrachloroethylene	PERCHLOROETHYLENE	17
Tetrachloromethane	CARBON TETRACHLORIDE	17
Tetradecan-1-ol	ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR	17
1-Tetradecanol	ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR	17
Tetradecene (a)	OLEFINS (C13+, ALL ISOMERS)	17
Tetradecylbenzene	ALKYL(C9+)BENZENES	17
TETRAETHYLENE GLYCOL		17
TETRAETHYLENE PENTAMINE		17
Tetraethyllead	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
Tetraethylplumbane	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
TETRAETHYL SILICATE MONOMER/OLIGOMER (20% IN ETHANOL)		18
3a,4,7,7a-Tetrahydro-3,5-dimethyl-4,7-methano-1H-indene	METHYLCYCLOPENTADIENE DIMER	17
TETRAHYDROFURAN		17
TETRAHYDRONAPHTHALENE		17
1,2,3,4-Tetrahydronaphthalene	TETRAHYDRONAPHTHALENE	17
Tetrahydro-1,4-oxazine	MORPHOLINE	17
2H-Tetrahydro-1,4-oxazine	MORPHOLINE	17
Tetrahydro-2H-1,4-oxazine	MORPHOLINE	17
Tetrahydrothiophene-1-dioxide	SULPHOLANE	17
Tetrahydrothiophene 1,1-dioxide	SULPHOLANE	17
Tetralin	TETRAHYDRONAPHTHALENE	17
TETRAMETHYLBENZENE (ALL ISOMERS)		17
1,2,3,4-Tetramethylbenzene (a)	TETRAMETHYLBENZENE (ALL ISOMERS)	17
1,2,3,5-Tetramethylbenzene (a)	TETRAMETHYLBENZENE (ALL ISOMERS)	17
1,2,4,5-Tetramethylbenzene (a)	TETRAMETHYLBENZENE (ALL ISOMERS)	17
Tetramethylene cyanide	ADIPONITRILE	17
Tetramethylene dicyanide	ADIPONITRILE	17
Tetramethylene glycol (a)	BUTYLENE GLYCOL	17
Tetramethylene oxide	TETRAHYDROFURAN	17
Tetramethylenesulphone	SULPHOLANE	17
Tetramethyllead	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYLs)	17
Tetrapropylbenzene	ALKYL(C9+)BENZENES	17
Tetrapropylenebenzene	DODECYLBENZENE	17
Teteryl formate	ISOBUTYL FORMATE	17
4-thiapentanal	3-(METHYLTHIO)PROPIONALDEHYDE	17

Chapter 19 of the IBC Code

Page 49 of 53

Index Name	Product Name	Chapter
Thiophan sulphone	SULPHOLANE	17
Thiosulphuric acid, dipotassium salt (50% or less)	POTASSIUM THIOSULPHATE (50% OR LESS)	17
Titanium(IV) oxide slurry	TITANIUM DIOXIDE SLURRY	17
TITANIUM DIOXIDE SLURRY		17
TOLUENE		17
TOLUENEDIAMINE		17
2,4-Toluenediamine (a)	TOLUENEDIAMINE	17
2,6-Toluenediamine (a)	TOLUENEDIAMINE	17
TOLUENE DIISOCYANATE		17
2-Toluidine	O-TOLUIDINE	17
O-TOLUIDINE		17
Toluol	TOLUENE	17
o-Tolylamine	O-TOLUIDINE	17
2,4-Tolylenediamine (a)	TOLUENEDIAMINE	17
2,6-Tolylenediamine (a)	TOLUENEDIAMINE	17
Tolylenediisocyanate	TOLUENE DIISOCYANATE	17
2,4-Tolylene diisocyanate	TOLUENE DIISOCYANATE	17
m-Tolylene diisocyanate	TOLUENE DIISOCYANATE	17
Toxilic anhydride	MALEIC ANHYDRIDE	17
Treacle (a)	MOLASSES	18
Triacetin	GLYOXAL SOLUTION (40% OR LESS)	17
3,6,9-Triazaundecamethylenediamine	TETRAETHYLENE PENTAMINE	17
3,6,9-Triazaundecane-1,11-diamine	TETRAETHYLENE PENTAMINE	17
TRIBUTYL PHOSPHATE		17
1,2,3-TRICHLOROBENZENE (MOLTEN)		17
1,2,4-TRICHLOROBENZENE		17
1,1,1-TRICHLOROETHANE		17
1,1,2-TRICHLOROETHANE		17
beta-Trichloroethane	1,1,2-TRICHLOROETHANE	17
Trichloroethene	TRICHLOROETHYLENE	17
TRICHLOROETHYLENE		17
Trichloromethane	CHLOROFORM	17
1,2,3-TRICHLOROPROPANE		17
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE		17
TRICRESYL PHOSPHATE (CONTAINING 1% OR MORE ORTHO-ISOMER)		17
TRICRESYL PHOSPHATE (CONTAINING LESS THAN 1% ORTHO-ISOMER)		17
TRIDECANE		17
TRIDECANOIC ACID		17
Tridecanol (a)	ALCOHOLS (C13+)	17
Tridecene (a)	OLEFINS (C13+, ALL ISOMERS)	17
Tridecoic acid	TRIDECANOIC ACID	17
TRIDECYL ACETATE		17
Tridecyl alcohol (a)	ALCOHOLS (C13+)	17
Tridecylbenzene	ALKYL(C9+)BENZENES	17
Tridecylic acid	TRIDECANOIC ACID	17

Chapter 19 of the IBC Code

Page 50 of 53

Index Name	Product Name	Chapter
Tridecylic acid (a)	FATTY ACID (SATURATED C13+)	17
Tri(dimethylphenyl) phosphate (all isomers)	TRIXYLYL PHOSPHATE	17
TRIETHANOLAMINE		17
TRIETHYLAMINE		17
TRIETHYLBENZENE		17
TRIETHYLENE GLYCOL		18
Triethylene glycol butyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Triethylene glycol ethyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Triethylene glycol methyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Triethylene glycol monobutyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
TRIETHYLENETETRAMINE		17
TRIETHYL PHOSPHATE		17
TRIETHYL PHOSPHITE		17
Triformol	1,3,5-TRIOXANE	17
Triglycol	TRIETHYLENE GLYCOL	18
Trihydroxypropane	GLYCERINE	18
Trihydroxytriethylamine	TRIETHANOLAMINE	17
TRIISOPROPANOLAMINE		17
TRIISOPROPYLATED PHENYL PHOSPHATES		17
TRIMETHYLACETIC ACID		17
TRIMETHYLAMINE SOLUTION (30% OR LESS)		17
TRIMETHYLBENZENE (ALL ISOMERS)		17
1,2,3-Trimethylbenzene (a)	TRIMETHYLBENZENE (ALL ISOMERS)	17
1,2,4-Trimethylbenzene (a)	TRIMETHYLBENZENE (ALL ISOMERS)	17
1,3,5-Trimethylbenzene (a)	TRIMETHYLBENZENE (ALL ISOMERS)	17
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	ALPHA-PINENE	17
Trimethylcarbinol	TERT-BUTYL ALCOHOL	17
1,1,3-Trimethyl-3-cyclohexene-5-one	ISOPHORONE	17
3,5,5-Trimethylcyclohex-2-enone	ISOPHORONE	17
3,5,5-Trimethylcyclohex-2-en-one	ISOPHORONE	17
TRIMETHYLOL PROPANE PROPOXYLATED		17
2,2,4-Trimethylpentane (a)	OCTANE (ALL ISOMERS)	17
2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE		17
2,2,4-Trimethylpentane-1,3-diol diisobutyrate	2,2,4-TRIMETHYL-1,3-PENTANEDIOL DIISOBUTYRATE	17
2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1- ISOBUTYRATE		17
2,4,4-Trimethylpentene-1	DIISOBUTYLENE	17
2,4,4-Trimethylpent-1-ene	DIISOBUTYLENE	17
2,4,4-Trimethylpentene-2	DIISOBUTYLENE	17
2,4,4-Trimethylpent-2-ene	DIISOBUTYLENE	17
2,4,6-Trimethyl-1,3,5-trioxane	PARALDEHYDE	17
2,4,6-Trimethyl-s-trioxane	PARALDEHYDE	17
Trioxan	1,3,5-TRIOXANE	17
1,3,5-TRIOXANE		17

Chapter 19 of the IBC Code

Page 51 of 53

Index Name	Product Name	Chapter
5,8,11-Trioxapentadecane	DIETHYLENE GLYCOL DIBUTYL ETHER	17
3,6,9-Trioxaundecane	DIETHYLENE GLYCOL DIETHYL ETHER	17
Trioxymethylene	1,3,5-TRIOXANE	17
Tripropylene	PROPYLENE TRIMER	17
TRIPROPYLENE GLYCOL		17
Tripropylene glycol methyl ether (a)	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17
Tris(dimethylphenyl) phosphate (all isomers)	TRIXYLYL PHOSPHATE	17
Tris(2-hydroxyethyl)amine	TRIETHANOLAMINE	17
2,4-D-tris(2-hydroxy-2-methylethyl)ammonium	2,4-DICHLOROPHENOXYACETIC ACID, TRIISOPROPANOLAMINE SALT SOLUTION	17
Tris(2-hydroxypropyl)amine	TRIISOPROPANOLAMINE	17
Tris(2-hydroxy-1-propyl)amine	TRIISOPROPANOLAMINE	17
Tris(2-hydroxypropyl)ammonium 2,4-dichlorophenoxyacetate solution	2,4-DICHLOROPHENOXYACETIC ACID, TRIISOPROPANOLAMINE SALT SOLUTION	17
Trisodium 2-[carboxylatomethyl(2-hydroxyethyl)amino] ethyliminodi(acetate) solution	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID, TRISODIUM SALT SOLUTION	17
Trisodium N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycine solution	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID, TRISODIUM SALT SOLUTION	17
Trisodium N-(2-hydroxyethyl)ethylenediamine-N,N',N'-triacetate solution	N-(HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID, TRISODIUM SALT SOLUTION	17
Trisodium nitrilotriacetate solution	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION	17
Tritolyl phosphate, containing less than 1% ortho- isomer	TRICRESYL PHOSPHATE (CONTAINING LESS THAN 1% ORTHO-ISOMER)	17
Tritolyl phosphate, containing 1% or more ortho- isomer	TRICRESYL PHOSPHATE (CONTAINING 1% OR MORE ORTHO-ISOMER)	17
Trixylenyl phosphate	TRIXYLYL PHOSPHATE	17
TRIXYLYL PHOSPHATE		17
TUNG OIL		17
TURPENTINE		17
Turpentine oil	TURPENTINE	17
Turps	TURPENTINE	17
Type A Zeolite slurry (a)	SODIUM ALUMINOSILICATE SLURRY	17
1-Undecanecarboxylic acid	LAURIC ACID	17
N-Undecane (a)	N-ALKANES (C10+)	17
UNDECANOIC ACID		17
Undecan-1-ol	UNDECYL ALCOHOL	17
1-UNDECENE		17
Undec-1-ene	1-UNDECENE	17
UNDECYL ALCOHOL		17
Undecylbenzene	ALKYL(C9+)BENZENES	17
Undecylic acid	UNDECANOIC ACID	17
n-Undecylic acid	UNDECANOIC ACID	17
uns-Trimethylbenzene (a)	TRIMETHYLBENZENE (ALL ISOMERS)	17
unsym-Trichlorobenzene	1,2,4-TRICHLOROBENZENE	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

Chapter 19 of the IBC Code

Page 52 of 53

Index Name	Product Name	Chapter
Valeral	VALERALDEHYDE (ALL ISOMERS)	17
VALERALDEHYDE (ALL ISOMERS)		17
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
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
Vinylbenzene	STYRENE MONOMER	17
Vinylcarbinol	ALLYL ALCOHOL	17
Vinyl cyanide	ACRYLONITRILE	17
vinyl ethanoate	VINYL ACETATE	17
VINYL ETHYL ETHER		17
Vinylformic acid	ACRYLIC ACID	17
VINYLDENE CHLORIDE		17
VINYL NEODECANOATE		17
VINYLTOLUENE		17
Vinytoluene (all isomers)	VINYLTOLUENE	17
Vinyl trichloride	1,1,2-TRICHLOROETHANE	17
Vitriol brown oil	SULPHURIC ACID	17
WATER		18
Water glass solutions	SODIUM SILICATE SOLUTION	17
WAXES		17
White bole	KAOLIN SLURRY	18
White caustic solution	SODIUM HYDROXIDE SOLUTION	17
WHITE SPIRIT, LOW (15-20%) AROMATIC		17
White tar	NAPHTHALENE (MOLTEN)	17
Wine (a)	ALCOHOLIC BEVERAGES, N.O.S.	18
Wintergreen oil	METHYL SALICYLATE	17
Wood alcohol	METHYL ALCOHOL	17
WOOD LIGNIN WITH SODIUM ACETATE/OXALATE		17
Wood naphtha	METHYL ALCOHOL	17
Wood spirit	METHYL ALCOHOL	17
XYLENES		17
XYLENES/ETHYLBENZENE (10% OR MORE) MIXTURE		17
XYLENOL		17
Xylenol (all isomers)	XYLENOL	17
2,3-Xylenol (a)	XYLENOL	17
2,4-Xylenol (a)	XYLENOL	17

Chapter 19 of the IBC Code

Page 53 of 53

Index Name	Product Name	Chapter
2,5-Xylenol (a)	XYLENOL	17
2,6-Xylenol (a)	XYLENOL	17
3,4-Xylenol (a)	XYLENOL	17
3,5-Xylenol (a)	XYLENOL	17
Xylols	XYLENES	17
ZINC ALKARYL DITHIOPHOSPHATE (C7-C16)		17
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

RESOLUTION MSC.340(91)
(adopted on 30 November 2012)
AMENDMENTS TO THE INTERNATIONAL CODE FOR THE CONSTRUCTION AND
EQUIPMENT OF SHIPS CARRYING DANGEROUS CHEMICALS IN BULK (IBC CODE)