



散装运输危险液体化学品 船舶构造与设备规范

2020

变更通告

2020年6月版，第1次

生效日期：2021年1月1日

北京

简要编写说明

(1) 根据我社 IMO 决议转化要求，将 IMO 海安会与环保会分别以 MSC.460(101) 和 MEPC.318(74)决议批准的 IBC 规则第 1 章、第 15 章、第 16 章、第 17 章、第 18 章、第 19 章以及 21 章的修订内容纳入本次变更通告，修订涉及第 1 章 1.3 和 1.5.1.2，第 15 章 15.8.25.1 和 15.15.1，第 16 章 16.2.7，第 17 章全文、第 18 章全文、第 19 章全文、第 21 章全文。

(2) 本变更通告于 2021 年 1 月 1 日生效。其中下划线为新增内容，~~删除线~~为被删除内容。

目 录

第 3 篇 国际散装运输危险化学品船舶构造与设备规则.....	1
第 1 章 总则*.....	1
第 15 章 特殊要求*.....	5
第 16 章 操作要求*.....	6
第 17 章 最低要求一栏表*.....	7
第 18 章 不适用规则的货物清单*.....	60
第 19 章 散装运输货物索引*.....	63
第 21 章 根据 IBC 规则确定运输规定的标准*.....	121

第3篇 国际散装运输危险化学品船舶构造与设备规则

第1章 总则*

* 本变更通告第1章修订内容，将于2021年1月1日生效。

现有1.3由下文替代：

1.3 定义

除另有明文规定外，下列定义为(附加定义在各章中给出)：

CCS1.3 适装证书：系指根据《IBC 规则》及其修正案签发的国际散装运输危险化学品适装证书。

1.3.1 起居处所：系指公共处所、走廊、盥洗室、居住室、办公室、医务室、电影院、娱乐室、理发室、无炊具的配膳室以及类似处所。公共处所是指用作大厅、餐室、休息室及类似的永久性围蔽处所。

1.3.2 主管机关：系指船旗国政府。对于主管机关（港口），见港口当局定义。

1.3.3 周年日：系指“国际散装运输危险化学品适装证书”到期日期对应的每年的该月和该日。

1.3.4 沸点：系指货物呈现蒸气压力等于大气压力时的温度。

1.3.5 船宽(B)：系指船舶最大宽度，对金属船体，在船中部量至肋骨型线；对其他材料的船体，在船中部量至船体外表面。船宽(B)以m 计量。

1.3.6 货物区域：系指船上包括液货舱、污液舱、货泵舱(包括泵舱)、邻接液货舱或污液舱的隔离舱、压载舱或留空处所的部分，以及在上述处所上方的船上该部分的整个长度和宽度内的甲板区域。如果货舱处所内设有独立舱，则最后一个货舱处所后面或最前一个货舱处所前面的隔离舱、压载舱或留空处所不应作为货物区域。

1.3.7 货泵舱：系指操作本规则所列货物用的泵及其附属设施的处所。

1.3.8 货物服务处所：系指位于货物区域内的工作间、物料间，以及面积在2m²以上的储存货物装卸设备的处所。

1.3.9 液货舱：系指用于装运货物的容器。

1.3.10 化学品液货船：系指建造或改建成用于散装运输本规则第17章所列任何液体

货物的货船。

1.3.11 隔离舱：系指两个相邻钢质舱壁或甲板之间的隔离处所。该处所可以是空舱或压载舱。

1.3.12 控制站：系指设有船舶无线电设备或主要航行设备或应急电源的处所，或者火警显示器或失火控制设备集中的处所。但不包括在货物区域内通常设置的专用失火控制设备。

1.3.13 危险化学品：系指根据本规则第17章中货物安全标准所认定的会引起安全危害的液体化学品。

1.3.14 密度：系指某一货品的质量与其容积之比值(以 kg/m^3 表示)。该规定适用于液体、气体及蒸气。

1.3.15 易爆性/可燃性极限/范围：系指在给定的试验装置中，对燃料-氧化剂混合物施以一个足够强的着火源，使其足以能形成燃烧的条件。

1.3.16 闪点：系指货物释放出的易燃蒸气足以被点燃的摄氏温度。本规则所列数值是用认可的闪点装置按“闭杯试验”测定的。

1.3.17 除气：系指为使有害气体或蒸气浓度降至可安全进入液舱的水平，使用便携式或固定式通风系统使新鲜空气进入液舱的过程。

1.3.18 货舱处所：系指由船舶结构围蔽的处所，且其内部设有独立液货舱。

1.3.19 独立的：系指例如管系或透气系统决不与另一系统连接，并且也没有任何可能与其他系统进行潜在的连接。

1.3.20 船长(L)：系指从龙骨上缘量至最小型深85%处的水线总长的96%，或在该水线处从首柱前缘量至舵杆中心线的长度，取其较大者。船舶设计成倾斜龙骨时，计量长度的水线应与设计水线平行。船长(L) 以m 计量。

1.3.21 A类机器处所：系指装有下列设施的处所以及通往这些处所的围蔽通道：

- .1 用于主推进的内燃机；或
- .2 用于主推进以外的其他用途且合计输出功率不小于375kW 的内燃机；或
- .3 任何燃油锅炉或燃油装置或除锅炉以外的任何其他燃油设备，例如惰性气体发生器、焚烧炉等。

1.3.22 机器处所：系指所有A 类处所和装有推进机械、锅炉、燃油装置、蒸气机和

内燃机、发电机和主要电力机械、加油站、制冷机、减摇装置、通风机和空调机和类似处所，以及通往这些处所的围蔽通道。

1.3.23 MARPOL：系指经修订的《经1978年议定书修正的1973年国际防止船舶造成污染公约》。

1.3.24 有毒液体物质：系指在《IBC规则》第17或18章中列入污染类别栏、或在现行MEPC.2/Circular中规定的或根据MARPOL附则II第6.3条规定经临时评估的被列为X、Y或Z类的物质。

1.3.25 燃油装置：系指准备为燃油锅炉输送燃油，或者准备为内燃机输送加热燃油的设备，并包括用于处理油类压力超过0.18MPa(表压)的所有压力油泵、过滤器和加热器。

1.3.27 组织：系指国际海事组织(IMO)。

1.3.27 渗透率：系指在该处所内，假定被水浸占的容积与该处所总容积之比。

1.3.28 港口当局：系指船舶装货或卸货的港口所在国的有关当局。

1.3.29 货品：系指有毒液体物质及危险化学品的总称。

1.3.30 泵舱：系指位于货物区域内，装有用于装卸压载水及燃油的泵及其辅助设备的处所。

1.3.31 驱气：系指使惰性气体进入已经处于惰化状态的液货舱，进一步减少氧气含量；和/或减少液货舱中碳氢气体或其他易燃蒸气的含量，使得即使空气随后进入液舱，也无法支持燃烧。

1.3.32 认可组织：系指主管机关按MARPOL附则II第8.2.2条和SOLAS第XI-1/1条认可的组织。

1.3.33 公认的标准：系指为主管机关所接受的适用的国际或国家标准，或为由符合本组织所通过的标准并被主管机关所认可的组织制定和维护的标准。

1.3.34 基准温度：系指货物蒸气压力与压力释放阀的设定压力值相当时的温度。

1.3.35 分隔：系指例如一货物管系或货物透气系统不与另一货物管系或货物透气系统相连接。

1.3.36 服务处所：系指厨房、备有炊具的配膳室、物料间、邮件室和贵重物品室、储藏室、不属于机器处所组成部分的工作间和类似处所，以及通往这些处所的围蔽通道。

1.3.37 SOLAS: 系指经修正的1974 年国际海上人命安全公约。

1.3.38 蒸气压力: 系指在规定温度下在液体上面的饱和蒸气的平衡压力, 用Pa 表示。

1.3.39 留空处所: 系指货物区域内的液货舱外面的封闭处所, 但不包括货舱处所、压载舱、燃油舱、货泵舱、泵舱和人员正常使用的任何处所。”

1.5 检验与发证

~~1.5.1.2 主管机关对被指定的验船师或其认可的机构至少应授予以下权力:~~

- ~~1. 要求船舶进行修理; 和~~
- ~~2. 应港口国有关当局要求进行检验。~~

~~主管机关应将被指定的验船师或认可的机构的具体责任以及对他们授权的条件通知本组织, 以便分发给各缔约国政府。~~

1.5.1.2 上述1.3.32所述的认可组织应符合SOLAS和MARPOL公约以及经MSC.349(92)和MEPC.237(65)决议通过并可能经修正的《认可组织规则》(RO规则)第1和第2部分的规定。

第 15 章 特殊要求*

* 本变更通告第 15 章修订内容，将于 2021 年 1 月 1 日生效。

15.8 环氧丙烷及环氧乙烷/环氧丙烷混合物而有环氧乙烷的含量不超过 30%(按质量计)

15.8.25.1 用于装载这些货物的液货舱的管系应与所有其他液舱包括空液舱的管系分隔(见3.1.4 的定义)，若用于液货舱的装载管系并非独立的(见~~4.3.18~~[1.3.19](#))，要求达到所需的管系分隔可采用可拆短管、阀或其他管段，并在这些位置安装盲板法兰。所需的分隔适用于所有液体和蒸气管系、液体和蒸气透气管路以及任何其他可能的连接管路，例如公用惰性气体供给管路等；

~~15.15 点燃温度低和易燃性范围宽的货物 [删除]~~

15.15 散装液体的硫化氢 (H₂S) 探测设备

15.15.1 载运容易形成H₂S的散装液体的船舶上应设有硫化氢 (H₂S) 探测设备。应注意，使用清除剂和杀生物剂可能不能100%有效控制H₂S的形成。可采用符合本规则13.2.1要求的用于检测H₂S的有毒蒸气探测仪来满足这一要求。

第 16 章 操作要求*

* 本变更通告第 16 章修订内容，将于 2021 年 1 月 1 日生效。

16.2 货物资料

~~16.2.7 删除。~~

16.2.7 如果第 17 章表格中 o 栏指向本段,则货物应满足 MARPOL 附则 II 第 13.7.1.4 条中的预洗规定。

第 17 章 最低要求一栏表*

* 本变更通告第 17 章修订内容，将于 2021 年 1 月 1 日生效。

第 17 章的整个文本由下文替代：

17.1 仅具有污染危害性，及按照防污公约附则 II 第 6.3 条经评估或临时评估为有毒液体物质混合物可根据本章相应适用条目位置在未另列明的 (n.o.s) 有毒液体物质下按本规则要求运输。

17.2 对表中栏目的注释如下：

货物名称 (a 栏)	任何散装运输货物的运输文件中应使用货物名称。任何附加的名称可放在货物名称后的括号内。在某些情况下，货物名称可能与本规则以前版本所提供的名称不一致。	
联合国编号 (b 栏)	已删除	
污染类别 (c 栏)	字母 X, Y 或 Z 系指按防污公约附则 II 所确定的每一货物的污染类别。	
危害性 (d 栏)	S 系指本规则所包括的具有安全危害性的货物； P 系指本规则所包括的具有污染危害性的货物； S/P 系指本规则所包括的同时具有安全危害性和污染危害性的货物。	
船型 (e 栏)	1:	1 型船舶 (2.1.2.1)
	2:	2 型船舶 (2.1.2.2)
	3:	3 型船舶 (2.1.2.3)
舱型 (f 栏)	1:	独立液货舱 (4.1.1)
	2:	整体液货舱 (4.1.2)
	G:	重力液货舱 (4.1.3)
	P:	压力液货舱 (4.1.4)
液货舱透气 (g 栏)	Cont.:	控制式透气
	Open:	开式透气
液货舱环境控制 (h 栏)	Inert:	惰化法 (9.1.2.1)
	Pad:	用液体或气体作隔绝法 (9.1.2.2)
	Dry:	干燥法 (9.1.2.3)
	Vent:	自然或强力通风法 (9.1.2.4)
	No:	本规则无特殊要求 (SOLAS 可能要求惰化法)
电气设备 (i 栏)	温度等级 (i')	T1 至 T6
	-	无要求
	空白	无资料

	设备分类 (i'')	IIA, IIB 或 IIC - 无要求 空白 无资料
	闪点: (i''')	Yes: 闪点超过 60°C (10.1.6) No: 闪点不超过 60°C (10.1.6) NF: 非易燃货物 (10.1.6)
测量 (j 栏)	O:	开式测量 (13.1.1.1)
	R:	限制式测量 (13.1.1.2)
	C:	闭式测量 (13.1.1.3)
蒸气探测 (k 栏)	F:	易燃蒸气
	T:	有毒蒸气
	No:	本规则无特殊要求
防火 (l 栏)	A:	抗乙醇泡沫或多用途泡沫
	B:	普通泡沫, 包括所有非抗乙醇泡沫, 其中包括氟化蛋白质和水膜泡沫 (AFFF)
	C:	洒水 (喷水)
	D:	化学干粉
	No:	本规则无特殊要求
构造材料 (m 栏)		已删除
应急设备 (n 栏)	Yes:	见 14.3.1
	No:	本规则无特殊要求
特殊要求及操作要求 (o 栏)		当专门参照第 15 和/或 16 章时, 这些要求应为任何其他栏内的附加要求。

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	C	F	AC	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.17, 15.19, 16.2.9
Acetic anhydride	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AC	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
Acetochlor	X	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.6, 16.2.9
Acetone cyanohydrin	Y	S/P	1	1G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.13, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
Acetonitrile	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 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 soya bean, corn (maize) and sunflower oil refining	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Acrylamide solution (50% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	No	15.12, 15.13, 15.17, 15.19, 16.2.9, 16.6.1
Acrylic acid	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	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
Acrylic acid/ethenesulphonic acid copolymer with phosphonate groups, sodium salt solution	Z	P	3	2G	Open	No			Yes	O	No	ABC	No	
Acrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	AC	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	ABC	No	15.19.6, 16.2.6
Adiponitrile	Z	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Alachlor technical (90% or more)	X	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.9
Alcohol (C9-C11) poly (2.5-9) ethoxylate	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Alcohol (C6-C17) (secondary) poly(3-6) ethoxylates	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Alcohol (C6-C17) (secondary) poly(7-12) ethoxylates	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alcohol (C10-C18) poly(7) ethoxylate	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Alcohol (C12-C16) poly(1-6) ethoxylates	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Alcohol (C12-C16) poly(20+) ethoxylates	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Alcohol (C12-C16) poly(7-19) ethoxylates	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Alcohols (C13+)	Y	P	2	2G	Open	No			Yes	O	No	ABC	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	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
Iso- and cyclo-alkanes (C10-C11)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Iso- and cyclo-alkanes (C12+)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
n-Alkanes (C9-C11)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
n-Alkanes (C10 – C20)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Alkaryl polyethers (C9-C20)	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 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	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	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	ABC	Yes	15.12, 15.17, 15.19
Alkyl acrylate/vinylpyridine copolymer in toluene	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	No	15.12, 15.17, 15.19.6, 16.2.9
Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Alkylated (C4-C9) hindered phenols	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
Alkylbenzene, alkylindane, alkylindene mixture (each C12-C17)	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
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
Alkylbenzenes mixtures (containing naphthalene)	X	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Alkyl (C3-C4) benzenes	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C5-C8) benzenes	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C9+) benzenes	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Alkyl (C11-C17) benzene sulphonic acid	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Alkylbenzene sulphonic acid, sodium salt solution	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alkyl/cyclo (C4-C5) alcohols	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C10-C15, C12 rich) phenol poly (4-12) ethoxylate	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Alkyl (C12+) dimethylamine	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Alkyl dithiocarbamate (C19-C35)	Y	P	3	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Alkyldithiothiadiazole (C6-C24)	Y	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6, 16.2.6
Alkyl ester copolymer (C4-C20)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Alkyl (C7-C9) nitrates	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 15.20, 16.6.1, 16.6.2, 16.6.3
Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alkyl (C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution(55% or less)	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Alkyl (C7-C11) phenol poly(4-12) ethoxylate	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C8-C40) phenol sulphide	Z	S/P	3	2G	Open	No			Yes	O	No	ABC	No	
Alkyl (C8-C9) phenylamine in aromatic solvents	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C9-C15) phenyl propoxylate	Z	S/P	3	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Alkyl (C8-C10) polyglucoside solution (65% or less)	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Alkyl (C12-C14) polyglucoside solution (55% or less)	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 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	ABC	No	15.19.6, 16.2.9
Alkyl sulphonic acid ester of phenol	Y	P	3	2G	Open	No			Yes	O	No	ABC	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) toluenesulphonic 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) toluenesulphonic acid, calcium salts, borated	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Alkyl (C18-C28) toluenesulphonic acid, calcium salts, low overbase	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Alkyl (C18-C28) toluenesulphonic acid, calcium salts, high overbase	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Allyl alcohol	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Allyl chloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	No	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 hydroxide, sodium hydroxide, sodium carbonate solution (40% or less)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19
Aluminium sulphate solution	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19
2-(2-Aminoethoxy) ethanol	Z	S/P	3	2G	Cont	No			Yes	C	T	AD	Yes	15.12, 15.17, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Aminoethyldiethanolamine/Aminoethylethanolamine solution	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Aminoethyl ethanolamine	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
N-Aminoethylpiperazine	Z	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
2-Amino-2-methyl-1-propanol	Z	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Ammonia aqueous (28% or less)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19
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	AC	No	
Ammonium lignosulphonate solutions	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Ammonium nitrate solution (93% or less) (*)	Z	S/P	2	1G	Cont	No			NF	R	T	No	No	15.2, 15.11.4, 15.11.6, 15.12.3, 15.12.4, 15.18, 15.19.6, 16.2.9
Ammonium polyphosphate solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Ammonium sulphate solution	Z	P	3	2G	Open	No			NF	O	No	No	No	
Ammonium sulphide solution (45% or less) (*)	Y	S/P	2	2G	Cont	Inert	T4	IIB	No	C	FT	AC	No	15.12, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
Ammonium thiosulphate solution (60% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Amyl acetate (all isomers)	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
n-Amyl alcohol	Z	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABC	Yes	15.12, 15.17, 15.19
Amyl alcohol, primary	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
sec-Amyl alcohol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
tert-Amyl alcohol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
tert-Amyl ethyl ether	Z	P	3	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
tert-Amyl methyl ether	X	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Aniline	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Aryl polyolefins (C11-C50)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C)	X	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Barium long chain (C11-C50) alkaryl sulphonate	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
Benzene and mixtures having 10% benzene or more (i)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6, 16.2.9
Benzene sulphonyl chloride	Y	S/P	3	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
Benzenetricarboxylic acid, trioctyl ester	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Benzyl acetate	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Benzyl alcohol	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Benzyl chloride	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	Yes	15.12, 15.13, 15.17, 15.19
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	R	FT	AC	No	15.12, 15.17, 15.19.6
Bis (2-ethylhexyl) terephthalate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
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	AC	No	
Bromochloromethane	Z	P	3	2G	Open	No			NF	O	No	No	No	
Butene oligomer	X	P	2	2G	Cont	No	T4	IIB	No	R	F	ABC	No	15.19.6
2-Butoxyethanol (58%)/Hyperbranched polyesteramide (42%) (mixture)	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12.3, 15.12.4, 15.19
Butyl acetate (all isomers)	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Butyl acrylate (all isomers)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F	ABC	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	AC	No	15.19.6
Butylamine (all isomers)	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Butylbenzene (all isomers)	X	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Butyl benzyl phthalate	X	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Butyl butyrate (all isomers)	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
Butyl/Decyl/Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Open	No	T3	IIA	No	R	F	ABC	No	15.13, 15.19.6, 16.6.1, 16.6.2
Butylene glycol	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	
1,2-Butylene oxide	Y	S/P	3	2G	Cont	Inert	T2	IIB	No	C	FT	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, 15.12, 15.17, 15.19.6
n-Butyl ether	Y	S/P	3	2G	Cont	Inert	T4	IIB	No	R	F	AC	No	15.4.6, 15.19
Butyl methacrylate	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	F	ABC	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	ABC	No	15.19.6
Butyraldehyde (all isomers)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Butyric acid	Y	S/P	3	2G	Cont	No			Yes	O	No	AC	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	S/P	3	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Calcium alkaryl sulphonate (C11-C50)	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
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	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Calcium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19.6
Calcium hypochlorite solution (more than 15%)	X	S/P	1	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19
Calcium lignosulphonate solutions	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Calcium long-chain alkyl (C5-C10) phenate	Y	P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Calcium long-chain alkyl (C11-C40) phenate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	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	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Calcium long-chain alkyl (C18-C28) salicylate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Calcium nitrate/Magnesium nitrate/Potassium chloride solution	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Calcium nitrate solution (50% or less)	Z	S	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Camelina oil	Y	S/P	2(k)	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7
epsilon-Caprolactam (molten or aqueous solutions)	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Carbolic oil	Y	S/P	2	2G	Cont	No			Yes	C	FT	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
Carbon disulphide	Y	S/P	1	1G	Cont	Pad+inert	T6	IIC	No	C	FT	C	Yes	15.3, 15.12, 15.17, 15.18, 15.19
Carbon tetrachloride	Y	S/P	2	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Cashew nut shell oil (untreated)	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
Castor oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 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	ABC	No	15.13, 15.19.6, 16.2.9, 16.6.1, 16.6.2
Chlorinated paraffins (C10-C13)	X	S/P	1	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19, 16.2.6
Chlorinated paraffins (C14-C17) (with 50% chlorine or more, and less than 1% C13 or shorter chains)	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	AC	No	15.12, 15.17, 15.19
Chloroacetic acid (80% or less)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.18, 15.19, 16.2.9
Chlorobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Chloroform	Y	S/P	3	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19.6
Chlorohydrins (crude)	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19
4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt solution	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
o-Chloronitrobenzene	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
1-(4-Chlorophenyl)-4,4- dimethyl-pentan-3-one	Y	S/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	2	2G	Cont	No			Yes	C	T	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, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
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, 15.17, 15.18, 15.19
m-Chlorotoluene	Y	S/P	2	2G	Cont	No	T4	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19
o-Chlorotoluene	Y	P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
p-Chlorotoluene	Y	P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6, 16.2.9
Chlorotoluenes (mixed isomers)	Y	P	2	2G	Cont	No	T4	IIA	No	R	F	ABC	No	15.19.6
Choline chloride solutions	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Citric acid (70% or less)	Z	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Coal tar	X	S/P	2	2G	Cont	No	T2	IIA	Yes	C	T	BD	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Coal tar naphtha solvent	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6, 16.2.9
Coal tar pitch (molten) (*)	X	S/P	2	1G	Cont	No	T2	IIA	Yes	C	T	ABCD	No	15.12, 15.17, 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, 16.2.7, 16.2.9
Coconut oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 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, 16.2.7, 16.2.9
Coconut oil fatty acid methyl ester	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Copper salt of long chain (C17+) alkanolic acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	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, 16.2.7, 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, 16.2.7, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Creosote (coal tar)	X	S/P	1	2G	Cont	No	T2	IIA	Yes	C	T	AD	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Cresols (all isomers)	Y	S/P	1	2G	Cont	No	T1	IIA	Yes	C	T	ABC	Yes	15.12, 15.18, 15.19, 16.2.9
Cresol/Phenol/Xylenol mixture	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Cresylic acid, dephenolized	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Cresylic acid, sodium salt solution	Y	S/P	2	2G	Cont	No	T4	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Crotonaldehyde	X	S/P	1	1G	Cont	No	T3	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.18, 15.19
1,5,9-Cyclododecatriene	X	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.13, 15.19.6, 16.6.1, 16.6.2
Cycloheptane	X	S/P	2	2G	Cont	No	T4	IIA	No	R	F	AC	No	15.19.6
Cyclohexane	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Cyclohexane-1,2-dicarboxylic acid, diisononyl ester	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Cyclohexane oxidation products, sodium salts solution	Z	P	3	2G	Open	No			NF	O	No	No	No	
Cyclohexanol	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Cyclohexanone	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Cyclohexanone, Cyclohexanol mixture	Y	S/P	3	2G	Cont	No			Yes	R	F	AC	No	15.19.6
Cyclohexyl acetate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Cyclohexylamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
1,3-Cyclopentadiene dimer (molten)	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
Cyclopentane	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Cyclopentene	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
p-Cymene	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Decahydronaphthalene	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Decanoic acid	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Decene	X	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Decyl acrylate	X	S/P	1	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.13, 15.19, 16.6.1, 16.6.2
Decyl alcohol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	AC	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	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Diacetone alcohol	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Dialkyl (C8-C9) diphenylamines	Z	P	3	2G	Open	No			Yes	O	No	ABC	No	
Dialkyl (C7-C13) phthalates	X	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 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

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
2,6-Diaminohexanoic acid phosphonate mixed salts solution	Z	S/P	3	2G	Cont	No			NF	R	No	No	No	15.11, 15.17, 15.19.6
Dibromomethane	Y	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6
Dibutylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABC	Yes	15.12, 15.17, 15.19
Dibutyl hydrogen phosphonate	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
2,6-Di-tert-butylphenol	X	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Dibutyl phthalate	X	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 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	C	T	ABD	No	15.12, 15.17, 15.19.6
3,4-Dichloro-1-butene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
1,1-Dichloroethane	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Dichloroethyl ether	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.18, 15.19
1,6-Dichlorohexane	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
2,2'-Dichloroisopropyl ether	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19
Dichloromethane	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
2,4-Dichlorophenol	Y	S/P	2	2G	Cont	Dry			Yes	C	T	AD	Yes	15.12, 15.16.2, 15.17, 15.19, 16.2.6, 16.2.9
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.9
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
1,1-Dichloropropane	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
1,2-Dichloropropane	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
1,3-Dichloropropene	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABC	Yes	15.12, 15.17, 15.19
Dichloropropene/Dichloropropane mixtures	X	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	ABD	No	15.12, 15.17, 15.19
2,2-Dichloropropionic acid	Y	S/P	2	2G	Cont	Dry			Yes	C	T	AD	Yes	15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.16.2, 15.17, 15.19, 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	Cont	No	T1	IIA	Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Diethylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Diethylaminoethanol	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
2,6-Diethylaniline	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Diethylbenzene	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Diethylene glycol	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Diethylene glycol dibutyl ether	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Diethylene glycol diethyl ether	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Diethylene glycol phthalate	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Diethylenetriamine	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19
Diethylenetriaminepentaacetic acid, pentasodium salt solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Diethyl ether (*)	Z	S/P	2	1G	Cont	Inert	T4	IIB	No	R	F	AC	No	15.4, 15.14, 15.19
Di-(2-ethylhexyl) adipate	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Di-(2-ethylhexyl) phosphoric acid	Y	S/P	2	2G	Cont	No			Yes	R	T	AD	No	15.12.3, 15.12.4, 15.19.6
Diethyl phthalate	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6
Diethyl sulphate	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Diglycidyl ether of bisphenol A	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Diglycidyl ether of bisphenol F	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.6
Diheptyl phthalate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Di-n-hexyl adipate	X	S/P	1	2G	Open	No			Yes	O	No	AC	No	15.19
Dihexyl phthalate	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Diisobutylamine	Y	S/P	2	2G	Cont	No	T4	IIB	No	C	FT	ABC	No	15.12.3, 15.12.4, 15.19
Diisobutylene	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Diisobutyl ketone	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Diisobutyl phthalate	X	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Diisononyl adipate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Diisooctyl phthalate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Diisopropanolamine	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Diisopropylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.17, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Diisopropylbenzene (all isomers)	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Diisopropylnaphthalene	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
N,N-Dimethylacetamide	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
N,N-Dimethylacetamide solution (40% or less)	Z	S/P	3	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19.6
Dimethyl adipate	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Dimethylamine solution (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19
Dimethylamine solution (greater than 45% but not greater than 55%)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19
Dimethylamine solution (greater than 55% but not greater than 65%)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.14, 15.19
N,N-Dimethylcyclohexylamine	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Dimethyl disulphide	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
N,N-Dimethyldodecylamine	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Dimethylethanolamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Dimethylformamide	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
Dimethyl glutarate	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6

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	T4	IIB	No	R	F	AC	No	15.19.6
Dimethyl octanoic acid	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Dimethyl phthalate	Y	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Dimethylpolysiloxane	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
2,2-Dimethylpropane-1,3-diol (molten or solution)	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	16.2.9
Dimethyl succinate	Y	P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Dinitrotoluene (molten)	X	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19, 15.21, 16.2.6, 16.2.9, 16.6.4
Dinonyl phthalate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Diocetyl phthalate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
1,4-Dioxane	Y	S/P	3	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12, 15.17, 15.19.6, 16.2.9
Dipentene	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Diphenyl	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Diphenylamine (molten)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Diphenylamine, reaction product with 2,2,4-Trimethylpentene	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19, 16.2.6
Diphenylamines, alkylated	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19, 16.2.6, 16.2.9
Diphenyl/Diphenyl ether mixtures	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Diphenyl ether	X	P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Diphenyl ether/Diphenyl phenyl ether mixture	X	P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Diphenylmethane diisocyanate	Y	S/P	2	2G	Cont	Dry	-	-	Yes(a)	C	T(a)	AB(b)D	Yes	15.12, 15.16.2, 15.17, 15.19, 16.2.6, 16.2.9
Diphenylol propane-epichlorohydrin resins	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Di-n-propylamine	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	AC	Yes	15.12.3, 15.12.4, 15.17, 15.19.6
Dipropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Dithiocarbamate ester (C7-C35)	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Ditridecyl adipate	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Ditridecyl phthalate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Diundecyl phthalate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Dodecane (all isomers)	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
tert-Dodecanethiol	Y	S/P	3	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
1-Dodecene	Y	S/P	3	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Dodecene (all isomers)	X	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Dodecyl alcohol	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
n-Dodecyl mercaptan	X	S/P	1	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Dodecylamine/Tetradecylamine mixture	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
Dodecylbenzene	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Dodecyl diphenyl ether disulphonate solution	X	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Dodecyl hydroxypropyl sulphide	X	P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6
Dodecyl methacrylate	Y	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.13, 15.19.6
Dodecyl/Octadecyl methacrylate mixture	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	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	ABC	No	15.13, 15.19.6, 16.6.1, 16.6.2
Dodecyl phenol	X	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6
Dodecyl Xylene	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Drilling brines (containing zinc chloride)	X	S/P	2	2G	Open	No			NF	O	No	No	Yes	15.19.6
Drilling brines (containing calcium bromide)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Epichlorohydrin	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Ethanolamine	Y	S/P	3	2G	Cont	No	T2	IIA	Yes	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9
2-Ethoxyethyl acetate	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
Ethoxylated long chain (C16+) alkyloxyalkylamine	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 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	S/P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
Ethyl acetoacetate	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	
Ethyl acrylate	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12, 15.13, 15.17, 15.19, 16.6.1, 16.6.2
Ethylamine (*)	Y	S/P	2	1G	Cont	No	T2	IIA	No	C	F	AC	No	15.12.3.2, 15.14, 15.19
Ethylamine solutions (72% or less)	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	F	AC	No	15.12.3.2, 15.14, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Ethyl amyl ketone	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Ethylbenzene	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
Ethyl tert-butyl ether	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Ethyl butyrate	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Ethylcyclohexane	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
N-Ethylcyclohexylamine	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19
S-Ethyl dipropylthiocarbamate	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.9
Ethylene carbonate	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Ethylene chlorohydrin	Y	S/P	1	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.18, 15.19
Ethylene cyanohydrin	Y	S/P	2	2G	Cont	No		IIB	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Ethylenediamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Ethylenediaminetetraacetic acid, tetrasodium salt solution	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Ethylene dibromide	Y	S/P	2	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19, 16.2.9
Ethylene dichloride	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19
Ethylene glycol	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Ethylene glycol acetate	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Ethylene glycol butyl ether acetate	Y	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Ethylene glycol diacetate	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Ethylene glycol methyl ether acetate	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Ethylene glycol monoalkyl ethers	Y	S/P	3	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19, 16.2.9
Ethylene glycol phenyl ether	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9,
Ethylene glycol phenyl ether/Diethylene glycol phenyl ether mixture	Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Ethylene glycol (>75%)/sodium alkyl carboxylates/borax mixture	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Ethylene glycol (>85%)/sodium alkyl carboxylates mixture	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
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	Yes	15.8, 15.12, 15.14, 15.17, 15.19
Ethylene-vinyl acetate copolymer (emulsion)	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Ethyl-3-ethoxypropionate	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
2-Ethylhexanoic acid	Y	S/P	3	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
2-Ethylhexyl acrylate	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.13, 15.19.6, 16.6.1, 16.6.2
2-Ethylhexylamine	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19.6
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol (C8-C10) ester	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Ethylidene norbornene	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Ethyl methacrylate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	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	FT	AC	No	15.12.3, 15.12.4, 15.19
Ethyl propionate	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
2-Ethyl-3-propylacrolein	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Ethyl toluene	Y	P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
Fatty acid (saturated C13+)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	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	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Fatty acids, (C12+)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Fatty acids, (C16+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Fatty acids, essentially linear (C6-C18) 2-ethylhexyl ester	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Ferric chloride solutions	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19, 16.2.9
Ferric nitrate/Nitric acid solution	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19
Fish oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Fish silage protein concentrate (containing 4% or less formic acid)	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6
Fish protein concentrate (containing 4% or less formic acid)	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	
Fluorosilicic acid solution (20-30%)	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Formaldehyde solutions (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Formamide	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6, 16.2.9
Formic acid (85% or less acid)	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T(g)	AC	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, 15.17, 15.19, 16.2.9
Formic acid (over 85%)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT(g)	AC	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, 15.17, 15.19, 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	C	FT	AC	Yes	15.12, 15.17, 15.19
Furfuryl alcohol	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
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
Glucitol/glycerol blend propoxylated (containing 10% or more amines)	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Glutaraldehyde solutions (50% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19
Glycerine	Z	S	3	2G	Open	No			Yes	O	No	AC	No	16.2.9
Glycerol monooleate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	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	

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Glycerol/sucrose blend propoxylated and ethoxylated	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
Glyceryl triacetate	Z	S/P	3	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Glycidyl ester of C10 trialkylacetic acid	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Glycine, sodium salt solution	Z	S/P	3	2G	Open	No			NF	O	No	No	No	
Glycolic acid solution (70% or less)	Z	S/P	3	2G	Cont	No	-	-	NF	C	T	No	Yes	15.12.3, 15.12.4, 15.17, 15.19, 16.2.9
Glyoxal solution (40% or less)	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Glyoxylic acid solution (50% or less)	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	ACD	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, 16.2.9, 16.6.1, 16.6.2, 16.6.3
Glyphosate solution (not containing surfactant)	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Grape Seed Oil	Y	S/P	2(k)	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7
Groundnut oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Heptane (all isomers)	X	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
n-Heptanoic acid	Z	S/P	3	2G	Cont	No			Yes	R	No	ABC	No	15.19.6, 15.17
Heptanol (all isomers) (d)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Heptene (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Heptyl acetate	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
1-Hexadecylnaphthalene / 1,4-bis(hexadecyl)naphthalene mixture	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Hexamethylenediamine (molten)	Y	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Hexamethylenediamine adipate (50% in water)	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Hexamethylenediamine solution	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Hexamethylene diisocyanate	Y	S/P	2	2G	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	S/P	3	2G	Open	No			Yes	O	No	AC	No	
Hexamethyleneimine	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19
Hexamethylenetetramine solutions	Z	S	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Hexane (all isomers)	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
1,6-Hexanediol, distillation overheads	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Hexanoic acid	Y	S/P	3	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Hexanol	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Hexene (all isomers)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Hexyl acetate	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
Hexylene glycol	Z	S	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Hydrocarbon wax	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Hydrochloric acid (*)	Z	S/P	3	1G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19
Hydrogen peroxide solutions (over 60% but not over 70% by mass)	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.5.1, 15.12.3, 15.12.4, 15.19.6
Hydrogen peroxide solutions (over 8% but not over 60% by mass)	Y	S/P	3	2G	Cont	No			NF	R	T	No	No	15.5.2, 15.18, 15.12.3, 15.12.4, 15.19.6
2-Hydroxyethyl acrylate	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.13, 15.17, 15.19, 16.6.1, 16.6.2
N-(Hydroxyethyl)ethylenediaminetriacetic acid, trisodium salt solution	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
2-Hydroxy-4-(methylthio)butanoic acid	Z	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Illipe oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Isoamyl alcohol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Isobutyl alcohol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
Isobutyl formate	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
Isobutyl methacrylate	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.13, 15.19.6, 16.6.1, 16.6.2
Isophorone	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Isophoronediamine	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Isophorone diisocyanate	Y	S/P	2	2G	Cont	Dry			Yes	C	T	ABD	Yes	15.12, 15.16.2, 15.17, 15.19
Isoprene	Y	S/P	2	2G	Cont	No	T3	IIB	No	C	FT	ABC	No	15.12, 15.13, 15.14, 15.17, 15.19.6, 16.6.1, 16.6.2
Isopropanolamine	Y	S/P	3	2G	Cont	No	T2	IIA	Yes	R	No	AC	No	15.19.6, 16.2.6, 16.2.9
Isopropyl acetate	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
Isopropylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12.3.2, 15.14, 15.19
Isopropylamine (70% or less) solution	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12.3.2, 15.19
Isopropylcyclohexane	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Isopropyl ether	Y	S/P	3	2G	Cont	Inert	T2	IIA	No	R	F	AC	No	15.4.6, 15.13, 15.19.6, 16.6.1, 16.6.2
Jatropha oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7
Lactic acid	Z	S/P	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Lactonitrile solution (80% or less)	Y	S/P	1	1G	Cont	No			NF	C	T	No	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, 16.2.7, 16.2.9
Latex, ammonia (1% or less)- inhibited	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6, 16.2.6, 16.2.9
Latex: Carboxylated styrene-Butadiene copolymer; Styrene-Butadiene rubber	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Lauric acid	X	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 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	AC	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	AC	No	15.12, 15.17, 15.19, 20.5.1, 20.7
Long-chain alkaryl polyether (C11-C20)	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
Long-chain alkaryl sulphonic acid (C16-C60)	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Long-chain alkylphenate/Phenol sulphide mixture	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Long-chain alkylphenol (C14-C18)	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
Long-chain alkylphenol (C18-C30)	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
L-Lysine solution (60% or less)	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Magnesium chloride solution	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Magnesium hydroxide slurry	Z	S	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Magnesium long-chain alkaryl sulphonate (C11-C50)	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Magnesium long-chain alkyl salicylate (C11+)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Maleic anhydride	Y	S/P	3	2G	Cont	No			Yes	C	T	AC(f)	Yes	15.12, 15.17, 15.19, 16.2.9
Maleic anhydride-sodium allylsulphonate copolymer solution	Z	P	3	2G	Open	No			Yes	O	No	ABC	No	
Mango kernel oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 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	AC	No	15.12.3, 15.12.4, 15.19.6
Metam sodium solution	X	S/P	2	2G	Cont	No	-	-	NF	C	T	No	No	15.12.3, 15.12.4, 15.19
Methacrylic acid	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.13, 15.12.3, 15.12.4, 15.19, 16.2.9, 16.6.1
Methacrylic acid - alkoxy poly (alkylene oxide) methacrylate copolymer, sodium salt aqueous solution (45% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Methacrylic resin in ethylene dichloride	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19, 16.2.9
Methacrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	AC	Yes	15.12, 15.13, 15.17, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
3-Methoxy-1-butanol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.19.6
3-Methoxybutyl acetate	Y	S/P	3	2G	Open	No			Yes	O	No	ABC	No	15.19.6
N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methyl chloroacetanilide	X	S/P	1	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19, 16.2.6
Methyl acetate	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	AC	No	15.19.6
Methyl acetoacetate	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Methyl acrylate	Y	S/P	3	2G	Cont	No	T1	IIB	No	C	FT	AC	No	15.12, 15.17, 15.13, 15.19
Methyl alcohol (*)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.1, 15.12.2, 15.12.3.2, 15.12.3.3, 15.12.4, 15.17, 15.19
Methylamine solutions (42% or less)	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Methylamyl acetate	Y	P	2	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
Methylamyl alcohol	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Methyl amyl ketone	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	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	S/P	3	2G	Cont	No	T4	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Methyl tert-butyl ether	Z	P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
Methyl butyl ketone	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Methylbutynol	Z	S/P	3	2G	Cont	No	T4	IIB	No	R	F	AC	No	15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Methyl butyrate	Y	S/P	3	2G	Cont	No	T4	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Methylcyclohexane	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Methylcyclopentadiene dimer	Y	S/P	2	2G	Cont	No	T4	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Methylcyclopentadienyl manganese tricarbonyl	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.18, 15.19, 16.2.9
Methyl diethanolamine	Y	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6
2-Methyl-6-ethyl aniline	Y	S/P	3	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Methyl ethyl ketone	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	F	AC	No	15.19.6
2-Methyl-5-ethyl pyridine	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Methyl formate	Z	S/P	2	2G	Cont	No	T1	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.14, 15.19.6
2-Methylglutaronitrile with 2-Ethylsuccinonitrile (12% or less)	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
2-Methyl-2-hydroxy-3-butyne	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6, 16.2.9
Methyl isobutyl ketone	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Methyl methacrylate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.13, 15.19.6
3-Methyl-3-methoxybutanol	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Methyl naphthalene (molten)	X	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
N-Methylglucamine solution (70% or less)	Z	S	3	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
2-Methyl-1,3-propanediol	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
2-Methylpyridine	Z	S/P	3	2G	Cont	No	T1	IIA	No	C	F	AC	No	15.12.3.2, 15.19
3-Methylpyridine	Z	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19
4-Methylpyridine	Z	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19, 16.2.9
N-Methyl-2-pyrrolidone	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Methyl propyl ketone	Z	S	3	2G	Cont	No	T1	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Methyl salicylate	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
alpha-Methylstyrene	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	AD(j)	No	15.12, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2
3-(methylthio)propionaldehyde	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12, 15.17, 15.19.6
Molybdenum polysulphide long chain alkyl dithiocarbamide complex	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
Morpholine	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12.3, 15.12.4, 15.19
Motor fuel anti-knock compound (containing lead alkyls)	X	S/P	1	1G	Cont	Inert	T4	IIA	No	C	FT	AC	Yes	15.6, 15.12, 15.17, 15.18, 15.19
Myrcene	X	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Naphthalene (molten)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.9
Naphthalene crude (molten)	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Naphthalenesulphonic acid-Formaldehyde copolymer, sodium salt solution	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Neodecanoic acid	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Nitrating acid (mixture of sulphuric and nitric acids)	Y	S/P	1	1G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.16.2, 15.17, 15.18, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Nitric acid (70% and over)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.16.2, 15.17, 15.19
Nitric acid (less than 70%)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.17, 15.19
Nitrilotriacetic acid, trisodium salt solution	Y	S/P	3	2G	Cont	No			Yes	C	T	AC	No	15.12, 15.17, 15.19.6
Nitrobenzene	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.9
Nitroethane	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	FT	ABC(f)	No	15.12.3, 15.12.4, 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	ABC(f)	No	15.12.3, 15.12.4, 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	FT	ABC(f)	No	15.12.3, 15.12.4, 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	T4	IIB	No	R	F	ABC	No	15.19.6, 16.2.6, 16.2.9
1- or 2-Nitropropane	Y	S/P	3	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12, 15.17, 15.19
Nitropropane (60%)/Nitroethane (40%) mixture	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	FT	ABC(f)	No	15.12, 15.17, 15.19.6
o- or p-Nitrotoluenes	Y	S/P	2	2G	Cont	No		IIB	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6
Nonane (all isomers)	X	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Nonanoic acid (all isomers)	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
Non-edible industrial grade palm oil	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
Nonene (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Nonyl alcohol (all isomers)	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Nonyl methacrylate monomer	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Nonylphenol	X	S/P	1	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Nonylphenol poly(4+)ethoxylate	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	AC	No	15.12.3, 15.12.4, 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	AC	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	AC	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	AC	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	AC	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	AC	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, F, (6) n.o.s. (trade name, contains) ST2, Cat. Y	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, NF, (7) n.o.s. (trade name, contains) ST3, Cat. Y	Y	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	15.19, 16.2.6, 16.2.9(l)

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Noxious liquid, F, (8) n.o.s. (trade name, contains) ST3, Cat. Y	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19, 16.2.6, 16.2.9(l)
Noxious liquid, NF, (9) n.o.s. (trade name, contains) ST3, Cat. Z	Z	P	3	2G	Open	No	-		Yes	O	No	AC	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	AC	No	15.19.6
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	AC	No	15.19.6
Octanoic acid (all isomers)	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Octanol (all isomers)	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Octene (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
n-Octyl acetate	Y	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Octyl aldehydes	Y	S/P	2	2G	Cont	No	T4	IIB	No	R	F	AC	No	15.19.6, 16.2.9
Octyl decyl adipate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6, 16.2.9
n-Octyl mercaptan	X	S/P	1	2G	Open	No			Yes	O	No	ABC	No	15.19
Offshore contaminated bulk liquid P (o)	X	P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6
Offshore contaminated bulk liquid S (o)	X	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	AC	Yes	15.12, 15.15, 15.17, 15.19
Olefin-Alkyl ester copolymer (molecular weight 2000+)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Olefin Mixture (C7-C9) C8 rich, stabilized	X	P	2	2G	Cont	No	T3	IIB	No	R	F	ABC	No	15.13, 15.19.6
Olefin mixtures (C5-C7)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Olefin mixtures (C5-C15)	X	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Olefins (C13+, all isomers)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
alpha-Olefins (C6-C18) mixtures	X	S/P	2	2G	Cont	No	T4	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Oleic acid	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Oleum	Y	S/P	2	2G	Cont	Dry	-	-	NF	C	T	No	Yes	15.11.2 to 15.11.8, 15.12, 15.16.2, 15.17, 15.19, 16.2.6
Oleylamine	X	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Olive oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 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, 16.2.7, 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, 16.2.7, 16.2.9
Palm kernel acid oil	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 16.2.9
Palm kernel fatty acid distillate	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.7, 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, 16.2.7, 16.2.9
Palm kernel olein	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Palm kernel stearin	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Palm mid-fraction	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Palm oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Palm oil fatty acid methyl ester	Y	P	2	2G	Open	No	-	-	Yes	O	No	AC	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, 16.2.7, 16.2.9
Palm stearin	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Paraffin wax, highly-refined	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Paraffin wax, semi-refined	X	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6, 16.2.9
Paraldehyde	Z	S/P	3	2G	Cont	No	T3	IIB	No	R	F	AC	No	15.19.6, 16.2.9
Paraldehyde-ammonia reaction product	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	FT	ABC	Yes	15.12, 15.17, 15.19
Pentachloroethane	Y	S/P	2	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19.6
1,3-Pentadiene	Y	P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	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	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Pentane (all isomers)	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	15.14, 15.19.6
Pentanoic acid	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	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
Pentene (all isomers)	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.14, 15.19.6
n-Pentyl propionate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Perchloroethylene	Y	S/P	2	2G	Cont	No			NF	C	T	No	No	15.12, 15.17, 15.19.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Phenol	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
1-Phenyl-1-xylyl ethane	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Phosphate esters, alkyl (C12-C14) amine	Y	S/P	2	2G	Cont	No	T4	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Phosphoric acid	Z	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.11.1, 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.17, 15.19, 16.2.9
Phosphorus, yellow or white (*)	X	S/P	1	1G	Cont	Pad+(vent or inert)			No(c)	C	No	ABC	No	15.7, 15.19, 16.2.9
Phthalic anhydride (molten)	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
alpha-Pinene	X	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
beta-Pinene	X	S/P	2	2G	Cont	No	T1	IIB	No	R	F	ABC	No	15.19.6
Pine oil	X	S/P	2	2G	Open	No			Yes	O		ABC	No	15.19.6, 16.2.6, 16.2.9
Piperazine, 68% solution	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 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	S/P	2	2G	Cont	No	T1	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 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	AC	No	
Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Polyalkyl (C10-C20) methacrylate	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Polyaluminium chloride solution	Z	S	3	2G	Open	No			NF	O	No	No	No	
Polybutene	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Polybutenyl succinimide	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Poly(2+)cyclic aromatics	X	S/P	1	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Polyether (molecular weight 1350+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Polyethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Polyethylene glycol dimethyl ether	Z	S/P	3	2G	Open	No			Yes	O	No	AC	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	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Polyethylene polyamines (more than 50% C5 -C20 paraffin oil)	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Polyferric sulphate solution	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19
Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Polyisobutenamine in aliphatic (C10-C14) solvent	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
(Polyisobutene) amino products in aliphatic hydrocarbons	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Polyisobutenyl anhydride adduct	Z	S/P	3	2G	Open	No			Yes	O	No	ABC	No	
Poly(4+)isobutylene (MW>224)	X	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Polyisobutylene (MW≤224)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Polyglycerin, sodium salt solution (containing less than 3% sodium hydroxide)	Z	S	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19. 16.2.9
Polymethylene polyphenyl isocyanate	Y	S/P	3	2G	Cont	Dry			Yes(a)	C	T(a)	AD	Yes	15.12, 15.16.2, 15.17, 15.19.6, 16.2.9
Polyolefin (molecular weight 300+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Polyolefin amide alkeneamine (C17+)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Polyolefin amide alkeneamine borate (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	ABC	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	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Polyolefinamine in alkyl (C2-C4) benzenes	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Polyolefinamine in aromatic solvent	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Polyolefin aminoester salts (molecular weight 2000+)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Polyolefin anhydride	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
Polyolefin ester (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Polyolefin phenolic amine (C28-C250)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	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	ABC	No	15.19.6, 16.2.6, 16.2.9
Poly(20)oxyethylene sorbitan monooleate	Y	P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.6, 16.2.9
Poly(5+)propylene	Y	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.9
Polypropylene glycol	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Polysiloxane	Y	P	2	2G	Cont	No	T2	IIB	No	R	F	ABC	No	15.19.6, 16.2.9
Potassium chloride solution	Z	P	3	2G	Open	No	-	-	NF	O	No	No	No	16.2.9
Potassium hydroxide solution (*)	Y	S/P	3	2G	Open	No			NF	C	No	No	No	15.12.3.2, 15.19
Potassium formate solutions (*)	Z	S	3	2G	Open	No			NF	R	No	No	No	15.19.6
Potassium oleate	Y	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.6, 16.2.9
Potassium thiosulphate (50% or less)	Y	S/P	3	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
n-Propanolamine	Y	S/P	3	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
2-Propene-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer solution	Y	P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
beta-Propiolactone	Y	S/P	1	2G	Cont	No		IIA	Yes	C	T	AC	Yes	15.12, 15.17, 15.18, 15.19
Propionaldehyde	Y	S/P	3	2G	Cont	Inert	T4	IIB	No	R	F	AC	No	15.19.6
Propionic acid	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	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

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Propionic anhydride	Y	S/P	2	2G	Cont	No	T2	IIA	Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Propionitrile	Y	S/P	1	1G	Cont	No	T1	IIB	No	C	FT	AC	Yes	15.12, 15.17, 15.18, 15.19
n-Propyl acetate	Y	P	3	2G	Cont	No	T1	IIA	No	R	F	ABC	No	15.19.6
n-Propyl alcohol	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
n-Propylamine	Z	S/P	2	2G	Cont	Inert	T2	IIA	No	C	FT	AC	Yes	15.12, 15.17, 15.19
Propylbenzene (all isomers)	Y	P	3	2G	Cont	No	T2	IIA	No	R	F	ABC	No	15.19.6
Propylene carbonate	Z	S	3	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19
Propylene glycol methyl ether acetate	Z	P	3	2G	Cont	No	T2	IIA	No	R	F	AC	No	
Propylene glycol monoalkyl ether	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	F	AC	No	15.19.6
Propylene glycol phenyl ether	Z	S/P	3	2G	Open	No			Yes	O	No	ABC	No	
Propylene oxide	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	FT	AC	No	15.8, 15.12, 15.14, 15.17, 15.19
Propylene tetramer	X	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Propylene trimer	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F	ABC	No	15.19.6
Pyridine	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	FT	AC	No	15.12.3, 15.12.4, 15.19.6
Pyrolysis gasoline (containing benzene)	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	FT	ABC	No	15.12, 15.17, 15.19.6
Rapeseed oil	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Rapeseed oil (low erucic acid containing less than 4% free fatty acids)	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Rape seed oil fatty acid methyl esters	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	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, 16.2.7, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Rosin	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 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, 16.2.7, 16.2.9
Shea butter	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Sodium alkyl (C14-C17) sulphonates (60-65% solution)	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Sodium aluminosilicate slurry	Z	P	3	2G	Open	No			NF	O	No	No	No	16.2.9
Sodium benzoate	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	16.2.9
Sodium borohydride (15% or less)/Sodium hydroxide solution (*)	Y	S/P	3	2G	Open	No			NF	C	No	No	No	15.19, 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	S/P	3	2G	Open	No			NF	R	No	No	No	15.19.6
Sodium chlorate solution (50% or less) (*)	Z	S/P	3	2G	Open	No			NF	R	No	No	No	15.9, 15.12, 15.19, 16.2.9
Sodium dichromate solution (70% or less)	Y	S/P	1	1G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.18, 15.19
Sodium hydrogen sulphide (6% or less)/Sodium carbonate (3% or less) solution	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Sodium hydrogen sulphite solution (45% or less)	Z	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	AC	Yes	15.12, 15.15, 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	Yes	15.12, 15.15, 15.19.6, 16.2.9
Sodium hydroxide solution (*)	Y	S/P	3	2G	Open	No			NF	C	No	No	No	15.19, 16.2.6, 16.2.9

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Sodium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No	-	-	NF	R	No	No	No	15.17, 15.19.6
Sodium methylate 21-30% in methyl alcohol	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	3	2G	Cont	No			NF	C	T	No	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
Sodium petroleum sulphonate	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	Yes	15.12.3, 15.12.4, 15.19.6, 16.2.6
Sodium poly(4+)acrylate solutions	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	16.2.9
Sodium silicate solution	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.9
Sodium sulphate solutions	Z	S	3	2G	Open	No			NF	O	No	No	No	16.2.9,
Sodium sulphide solution (15% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19, 16.2.9
Sodium sulphite solution (25% or less)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
Sodium thiocyanate solution (56% or less)	Y	S/P	3	2G	Open	No			NF	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, 16.2.7, 16.2.9
Soybean Oil Fatty Acid Methyl Ester	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Styrene monomer	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2
Sulphohydrocarbon (C3-C88)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Sulpholane	Y	S/P	3	2G	Open	No			Yes	O	No	AC	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

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Sulphuric acid	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.16.2, 15.17, 15.19, 16.2.9
Sulphuric acid, spent	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.12, 15.16.2, 15.17, 15.19
Sulphurized fat (C14-C20)	Z	S/P	3	2G	Open	No			Yes	O	No	ABC	No	
Sulphurized polyolefinamide alkene (C28-C250) amine	Z	P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
Sunflower seed oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 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	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Tall oil soap, crude	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Tallow	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Tallow fatty acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	AC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Tetrachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.12.4, 15.19
Tetraethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Tetraethylene pentamine	Y	S/P	2	2G	Cont	No			Yes	C	T	AC	Yes	15.12, 15.17, 15.19
Tetrahydrofuran	Z	S	3	2G	Cont	No	T3	IIB	No	R	F	AC	No	15.19.6
Tetrahydronaphthalene	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Tetramethylbenzene (all isomers)	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.9
Titanium dioxide slurry	Z	P	3	2G	Open	No			NF	O	No	No	No	

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Toluene	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	FT	AC	No	15.12, 15.17, 15.19.6
Toluenediamine	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.17, 15.18, 15.19, 16.2.6, 16.2.9
Toluene diisocyanate	Y	S/P	2	2G	Cont	Dry	-	-	Yes	C	T	ABC(b)D	Yes	15.12, 15.16.2, 15.17, 15.18, 15.19, 16.2.9
o-Toluidine	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19
Tributyl phosphate	Y	S/P	3	2G	Cont	No			Yes	C	T	ABC	No	15.12.3, 15.12.4, 15.19.6
1,2,3-Trichlorobenzene (molten)	X	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
1,2,4-Trichlorobenzene	X	S/P	1	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.9
1,1,1-Trichloroethane	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
1,1,2-Trichloroethane	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Trichloroethylene	Y	S/P	2	2G	Cont	No	-	-	NF	C	T	No	No	15.12, 15.17, 15.19.6
1,2,3-Trichloropropane	Y	S/P	3	2G	Cont	No			Yes	C	T	ABC	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	2	2G	Cont	No	-	-	Yes	C	T	ABC	No	15.12, 15.17, 15.19, 16.2.6
Tricresyl phosphate (containing less than 1% ortho-isomer)	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6
Tridecane	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Tridecanoic acid	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Tridecyl acetate	Y	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Triethanolamine	Z	S/P	3	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Triethylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12.3, 15.12.4, 15.19

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Triethylbenzene	X	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
Triethylenetetramine	Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	AC	Yes	15.12, 15.17, 15.19, 16.2.9
Triethyl phosphate	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6
Triethyl phosphite	Z	S/P	3	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Triisopropanolamine	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
Triisopropylated phenyl phosphates	X	P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.6
Trimethylacetic acid	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.11, 15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
Trimethylamine solution (30% or less)	Z	S/P	2	2G	Cont	No	T3	IIB	No	R	FT	AC	No	15.12.3, 15.12.4, 15.14, 15.19.6
Trimethylbenzene (all isomers)	X	S/P	2	2G	Cont	No	T1	IIA	No	R	F	ABC	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	Y	S/P	3	2G	Open	No			Yes	O	No	ABC	No	15.19.6
2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
1,3,5-Trioxane	Y	S/P	3	2G	Cont	No	T2	IIB	No	C	FT	AC	No	15.12, 15.17, 15.19.6, 16.2.9
Tripropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	AC	No	
Trixylyl phosphate	X	S/P	1	2G	Cont	No			Yes	C	T	ABC	No	15.12, 15.17, 15.19.6, 16.2.6

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Tung oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Turpentine	X	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	AC	No	15.19.6
Undecanoic acid	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
1-Undecene	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6
Undecyl alcohol	X	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
Urea/Ammonium nitrate solution	Y	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6
Urea/Ammonium phosphate solution	Y	S/P	2	2G	Cont	No			Yes	R	T	AC	No	15.12.3, 15.12.4, 15.19.6
Urea solution	Z	S/P	3	2G	Open	No			Yes	O	No	AC	No	16.2.9,
Used cooking oil (m)	X	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Used cooking oil (Triglycerides, C16-C18 and C18 unsaturated) (m) (n)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Valeraldehyde (all isomers)	Y	S/P	3	2G	Cont	Inert	T3	IIB	No	R	F	ABC	No	15.4.6, 15.13, 15.19.6, 16.6.1, 16.6.2
Vegetable acid oils (m)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Vegetable fatty acid distillates (m)	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Vegetable oil mixtures, containing less than 15% free fatty acid (m)	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.7, 16.2.9
Vinyl acetate	Y	S/P	3	2G	Cont	No	T2	IIA	No	C	FT	ABC	No	15.12, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2
Vinyl ethyl ether	Z	S/P	2	2G	Cont	Inert	T3	IIB	No	R	F	ABC	No	15.4, 15.13, 15.14, 15.19.6, 16.6.1, 16.6.2

a	c	d	e	f	g	h	i'	i''	i'''	j	k	l	n	o
Vinylidene chloride	Y	S/P	2	2G	Cont	Inert	T2	IIA	No	C	FT	ABC	No	15.12, 15.13, 15.14, 15.17, 15.19, 16.6.1, 16.6.2
Vinyl neodecanoate	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12, 15.13, 15.17, 15.19, 16.6.1, 16.6.2
Vinyltoluene	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	FT	ABC	No	15.12, 15.13, 15.17, 15.19.6, 16.6.1, 16.6.2
White spirit, low (15-20%) aromatic	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 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	ABC	No	15.19.6, 16.2.9 (h)
Xylenes/ethylbenzene (10% or more) mixture	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	FT	ABC	No	15.12.3, 15.12.4, 15.19.6
Xylenol	Y	S/P	2	2G	Cont	No	-	IIA	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.9
Zinc alkaryl dithiophosphate (C7-C16)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Zinc alkenyl carboxamide	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
Zinc alkyl dithiophosphate (C3-C14)	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6

第 17 章中货物脚注

第 17 章某些货品名称或最低要求中包含脚注，如表中 a 栏货物名称之后括号中的字母或符号，它们提供了关于货物运输规定的附加要求。这些脚注的注释如下：

a. 所载运货物含有闪点不超过 60°C 的易燃溶剂，应设特殊电气系统和易燃蒸气探测器。

b. 虽然水适用于扑灭涉及本脚注的化学品露天火灾，但不得用水扑灭装有这些化学品沾污的封闭液货舱，因为会导致产生危险气体的危险。

c. 黄磷或白磷是在其自燃温度以上状态下载运的，因此闪点是不适用的。载运黄磷或白磷，对电气设备的要求，可与闪点超过 60°C 的物质对电气设备的要求相类似。

d. 这些要求是依据闪点 60°C 及以下的异构体；而有些异构体的闪点超过 60°C。因此，以易燃性依据的要求不适用于这些异构体。

e. 仅适用于 n-decyl alcohol。

f. 不得用化学干粉作灭火剂。

g. 对封闭处所，应同时测定甲酸蒸气和一氧化碳气体的含量。

h. 仅对二甲苯适用。

i. 适用于不含安全危险成分的混合物，且污染等级为 Y 或以下。

j. 只有抗乙醇泡沫有效。

k. e 栏确定船型的要求，可适用防污公约附则 II 第 4.1.3 条。

l. 熔点大于或等于 0°C 时可适用。

m. IBC 规则中规定的植物油、动物脂肪和鱼油。

n. 使用词条前，应确认货物由 Triglycerides、C16-C18 和 C18 unsaturated 组成。否则，必须使用更通用的货品名称“Used cooking oil (m)”。

o. 表明这些词条仅用于回收来自海底矿产资源勘探开发的海上设施的污染散装液体。

* 表明参照 IBC 规则第 21 章 (21.1.3)，偏离了已用于某些运输规定的正常评定标准。

第 18 章 不适用规则的货物清单*

* 本变更通告第 18 章修订内容，将于 2021 年 1 月 1 日生效。

第 18 章的整个文本由下文替代：

18.1 下面货物系按其安全性和污染危害性进行审查，并确定其危害性尚不足以列入规则适用范围的液体物质。

18.2 虽然本章所列的液体物质不属于规则的范围，但主管机关仍应注意，为这些化学货物的安全运输可能需要采取某些安全措施，因而，主管机关还应规定相应的安全要求。

18.3 有些液体物质被确定为属于 Z 类污染物质，因此，对其载运时还须满足防污公约附则 II 的某些要求。

18.4 按防污公约附则 II 第 6.3 条经评估或临时评估为 Z 类或 OS 类污染、且不具有安全危害性的液体混合物，可按本章“无另行说明（n.o.s）的有毒或非有毒液体物质”的有关规定进行载运。

对表中栏目的注释如下：

货物名称： 任何散装运输货物的运输文件中应使用货物名称。任何附加的名称可放在货物名称后的括号内。在某些情况下，货物名称可能与本规则以前版本所提供的名称不一致。

污染类别： “Z”系指按防污公约附则 II 所确定的货物的污染类别。

“OS”系指货物被评定并查明其污染类别不属于 X，Y 或 Z 类。

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
Clay slurry	OS
Coal slurry	OS
Ethyl alcohol	Z
Glucose solution	OS
Glycerol ethoxylated	OS
Hydrogenated starch hydrolysate	OS
Isopropyl alcohol	Z
Kaolin slurry	OS
Lecithin	OS
Maltitol solution	OS

Product Name	Pollution Category
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
Potassium chloride solution (less than 26%)	OS
Propylene glycol	OS
Sodium acetate solutions	Z
Sodium bicarbonate solution (less than 10%)	OS
Sorbitol solution	OS
Sulphonated polyacrylate solution	Z
Tetraethyl silicate monomer/oligomer (20% in ethanol)	Z
Triethylene glycol	OS
Vegetable protein solution (hydrolysed)	OS
Water	OS

第 19 章 散装运输货物索引*

* 本变更通告第 19 章修订内容，将于 2021 年 1 月 1 日生效。

第 19 章的整个文本由下文替代：

19.1 散装运输货物索引（下文简称“索引”）第一栏提供索引名称。当索引名称为黑体大写时，表示该名称与第17 或18 章中的货物名称一致，此时列出货物名称的第二栏中为空白。当索引名称为非黑体小写时，表示该名称为第二栏内所列出的第17 或18 章中货物名称的同义名称。第三栏表示IBC 规则的有关章节。

19.2 在对第19 章进行审核之后，原先列出的联合国编号一栏已经从索引中删除。其原因在于索引名称中仅小部分有联合国编号，并且第19 章使用的某些索引名称与联合国编号对应的名称不一致，为避免混淆，决定删除联合国编号。

19.3 索引的目的仅在于提供信息。第一栏中所列的非黑体小写索引名称，不得作为运输文件中的货物名称。

19.4 作为货物名称组成部分的前缀，以普通（罗马）字母形式表示，且在依字母顺序编排时考虑，包括以下前缀：

Mono Di Tri Tetra Penta Iso Bis Neo Ortho Cyclo

单 二 三 四 五 异 双 新 原（正） 环

19.5 依字母顺序编排时忽略的前缀包括：

n- (normal-)	正-
sec- (secondary-)	仲-
tert- (tertiary-)	叔-
o- (ortho-)	邻-
m- (meta-)	间-
p- (para-)	对-
N-	正-
O-	邻-
S-	对-
sym- (symmetrical)	对称-, 均-

uns- (unsymmetrical)	不对称-, 偏-
dl-	(外) 消旋
D-	右旋-
L-	左旋-
cis-	顺-
trans-	反-
(E)-	反-
(Z)-	顺-
alpha- (α -)	
beta- (β -)	
gamma- (γ -)	
epsilon- (ϵ -)	
omega- (ω -)	

19.6 索引中某些索引名称后面使用注释 (a) 或 (b)。(a) 或 (b) 在以下情况适用:

(a) 索引名称代表对应货物名称的一个子类别。

(b) 对应于该索引名称的货物名称包含了碳链长度限制。由于货物索引名称代表相应货物名称的一个子类别或其一种明确的同分异构物, 因此, 对于索引名称标识的任何货物, 应核查其碳链长度特征。

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/ETHENESULPHONIC ACID COPOLYMER WITH PHOSPHONATE GROUPS, SODIUM SALT SOLUTION		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 (d)	HEPTANOL (ALL ISOMERS) (D)	17
Alcohol, C8	OCTANOL (ALL ISOMERS)	17

Index Name	Product Name	Chapter
Alcohol, C9	NONYL ALCOHOL (ALL ISOMERS)	17
ALCOHOLIC BEVERAGES, N.O.S.		18
ALCOHOL (C9-C11) POLY(2.5-9)ETHOXYLATE		17
ALCOHOL (C10-C18) POLY (7) ETHOXYLATE		17
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
N-ALKANES (C9-C11)		17
N-ALKANES (C10-C20)		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
ALKYL/CYCLO (C4-C5) ALCOHOLS		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
ALKYLBENZENE 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

Index Name	Product Name	Chapter
ALKYLBENZENES MIXTURES (CONTAINING NAPHTHALENE)		17
ALKYL (C11-C17) BENZENE SULPHONIC ACID		17
ALKYLBENZENE SULPHONIC ACID, SODIUM SALT SOLUTION		17
ALKYL (C12+) DIMETHYLAMINE		17
ALKYL DITHIOCARBAMATE (C19-C35)		17
ALKYL DITHIOTHIAZOLE (C6-C24)		17
ALKYL ESTER COPOLYMER (C4-C20)		17
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+) ALKYLOXYALKYLAMINE	17
Alkylphenol, long-chain (C14-C18)	LONG-CHAIN ALKYLPHENOL (C14-C18)	17
Alkylphenol, long-chain (C18-C30)	LONG-CHAIN ALKYLPHENOL (C18-C30)	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-C15, C12 RICH) PHENOL POLY(4-12)ETHOXYLATE		17
ALKYL (C10-C20, SATURATED AND UNSATURATED) PHOSPHITE		17
ALKYL SULPHONIC ACID ESTER OF PHENOL		17
ALKYL (C18+) TOLUENES		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 (up to 60% in mineral oil)	ALKYL (C18-C28) TOLUENESULPHONIC ACID, CALCIUM SALTS, LOW OVERBASE	17
ALKYL(C18-C28)TOLUENESULPHONIC ACID		17
ALKYL(C18-C28)TOLUENESULPHONIC ACID, CALCIUM SALTS, BORATED		17
ALKYL (C18-C28) TOLUENESULPHONIC ACID, CALCIUM SALTS, HIGH OVERBASE		17
ALKYL (C18-C28) TOLUENESULPHONIC ACID, CALCIUM SALTS, LOW OVERBASE		17
3-Alky(C16-C18)oxy-N,N'-bis(2-hydroxyethyl)propan-1-amine (a)	ETHOXYLATED LONG CHAIN (C16+) ALKYLOXYALKYLAMINE	17
ALLYL ALCOHOL		17
ALLYL CHLORIDE		17
ALUMINIUM CHLORIDE/HYDROGEN CHLORIDE SOLUTION		17

Index Name	Product Name	Chapter
ALUMINIUM HYDROXIDE, SODIUM HYDROXIDE, SODIUM CARBONATE SOLUTION (40% OR LESS)		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
2-Aminoethanol	ETHANOLAMINE	17
2-(2-AMINOETHOXY) ETHANOL		17
2-(2-Aminoethylamino)ethanol	AMINOETHYL ETHANOLAMINE	17
AMINOETHYLDIETHANOLAMINE/AMINOETHYLETHANOLAMINE SOLUTION		17
AMINOETHYL ETHANOLAMINE		17
N-(2-aminoethyl)ethylenediamine	DIETHYLENETRIAMINE	17
1-(2-Aminoethyl)piperazine	N-AMINOETHYLPIPERAZINE	17
N-AMINOETHYLPIPERAZINE		17
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

Index Name	Product Name	Chapter
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
SEC-AMYL ALCOHOL		17
TERT-AMYL ALCOHOL		17
Amyl aldehyde	VALERALDEHYDE (ALL ISOMERS)	17
Amylcarbinol	HEXANOL	17
Amylene hydrate	TERT-AMYL ALCOHOL	17
TERT-AMYL ETHYL ETHER		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	DIETHYLENTRIAMINE	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, bis(2-ethylhexyl) ester	BIS(2-ETHYLHEXYL) TEREPHTHALATE	17
1,4-Benzenedicarboxylic acid, butyl ester	DIBUTYL TEREPHTHALATE	17
1,2-Benzenedicarboxylic acid, diethyl ester	DIETHYL PHTHALATE	17

Index Name	Product Name	Chapter
1,2-Benzenedicarboxylic acid, diundecyl ester	DIUNDECYL PHTHALATE	17
BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)		17
BENZENE SULPHONYL CHLORIDE		17
BENZENESULPHONYL CHLORIDE	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	MERCAPTOBENZOTHIAZOL, SODIUM SALT SOLUTION	17
Benzothiazole-2-thiol, sodium salt solution	MERCAPTOBENZOTHIAZOL, SODIUM SALT SOLUTION	17
(2-Benzothiazolylthio) sodium solution	MERCAPTOBENZOTHIAZOL, 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 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	ALKYL DITHIOTHIAZADIAZOLE (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)-1-4-benzenedicarboxylate	BIS(2-ETHYLHEXYL) TEREPHTHALATE	17

Index Name	Product Name	Chapter
Bis(2-ethylhexyl) hydrogen phosphate	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17
Bis(2-ethylhexyl) phthalate	DIOCTYL PHTHALATE	17
BIS(2-ETHYLHEXYL) TEREPHTHALATE		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	17
Bis(2-hydroxypropyl)amine	DIISOPROPANOLAMINE	17
Bis(6-methylheptyl) phthalate	DIOCTYL PHTHALATE	17
Blackstrap molasses (a)	MOLASSES	18
Blend of propoxylated polyether polyols with >10% additives	GLUCITOL/GLYCEROL BLEND PROPOXYLATED (CONTAINING 10% OR MORE AMINES)	17
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
Butane, 2-ethoxy-2-methyl-ether	TERT-AMYL ETHYL ETHER	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

Index Name	Product Name	Chapter
1-Butoxybutane	N-BUTYL ETHER	17
2-Butoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-tert-butoxyethanol (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
2-BUTOXYETHANOL (58%)/HYPERBRANCHED POLYESTERAMIDE (42%) (MIXTURE)		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
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

Index Name	Product Name	Chapter
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
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 CHLORIDE)	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)		17

Index Name	Product Name	Chapter
CAMELINA OIL		17
Camelina Sativa Oil	CAMELINA OIL	17
Camelina Sativa Seed Oil	CAMELINA OIL	17
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
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

Index Name	Product Name	Chapter
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 CHLOROXYDRIN	17
2-Chloro-N-ethoxymethyl-6'-ethylacet-o-toluidide	ACETOCHLOR	17
2-Chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide	ACETOCHLOR	17
2-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN	17
beta-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN	17
Chloroethyl ether	DICHLOROETHYL ETHER	17
2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL 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
CHLOROXYDRINS (CRUDE)		17
m-Chloromethylbenzene	M-CHLOROTOLUENE	17
o-Chloromethylbenzene	O-CHLOROTOLUENE	17
p-Chloromethylbenzene	P-CHLOROTOLUENE	17
(Chloromethyl)ethylene oxide	EPICHLOROXYDRIN	17
(2-Chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER	17
2-Chloro-1-methylethyl ether	2,2'-DICHLOROISOPROPYL ETHER	17
Chloromethyloxirane	EPICHLOROXYDRIN	17
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	EPICHLOROXYDRIN	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

Index Name	Product Name	Chapter
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
Cold pressed grape seed oil	GRAPE SEED OIL	17
Cologne spirits	ETHYL ALCOHOL	18
Colonial spirit	METHYL ALCOHOL (*)	17
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
CRESOL/PHENOL/XYLENOL MIXTURE		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
Crude grape seed oil	GRAPE SEED OIL	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

Index Name	Product Name	Chapter
2-cyanopropene-1	METHACRYLONITRILE	17
Cyclic propylene carbonate	PROPYLENE CARBONATE	17
1,5,9-CYCLODODECATRIENE		17
CYCLOHEPTANE		17
Cyclohexamethylenimine	HEXAMETHYLENEIMINE	17
CYCLOHEXANE		17
CYCLOHEXANE-1,2-DICARBOXYLIC ACID, DIISONONYL ESTER		17
Cyclohexane-1,2-Di-Isononyldicarboxylate	CYCLOHEXANE-1,2-DICARBOXYLIC ACID, DIISONONYL ESTER	17
CYCLOHEXANE OXIDATION PRODUCTS, SODIUM SALTS SOLUTION		17
Cyclohexane, oxidized, aqueous extraction, sodium salt	CYCLOHEXANE OXIDATION PRODUCTS, SODIUM SALTS SOLUTION	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
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

Index Name	Product Name	Chapter
DECYL/DODECYL/TETRADECYL ALCOHOL MIXTURE		17
Decylic acid	DECANOIC ACID	17
Decyl octyl adipate	OCTYL DECYL ADIPATE	17
DECYLOXYTETRAHYDROTHIOPHENE DIOXIDE		17
Degummed grape seed oil	GRAPE SEED OIL	17
1-Deoxy-1-methylamino-D-glucitol solution (70% or less)	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	17
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
2,6-DIAMINOHEXANOIC ACID PHOSPHONATE MIXED SALTS SOLUTION		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
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

Index Name	Product Name	Chapter
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, TRIISOPROPANOLAMINE 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
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

Index Name	Product Name	Chapter
DIETHYLENE GLYCOL		17
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
DIETHYLENTRIAMINE		17
DIETHYLENTRIAMINEPENTAACETIC 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
Di (2-ethylhexyl) Terephthalate	BIS(2-ETHYLHEXYL) TEREPHTHALATE	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	17
Diglycolamine	2-(2-AMINOETHOXY) ETHANOL	17
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

Index Name	Product Name	Chapter
2,3-Dihydroxybutane (a)	BUTYLENE GLYCOL	17
2,2'-Dihydroxydiethylamine	DIETHANOLAMINE	17
Di-(2-hydroxyethyl)amine	DIETHANOLAMINE	17
Dihydroxyethyl ether	DIETHYLENE GLYCOL	17
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
N,N-DIMETHYLCYCLOHEXYLAMINE		17
DIMETHYL DISULPHIDE		17
N,N-Dimethyldodecanamine	N,N-DIMETHYLDODECYLAMINE	17

Index Name	Product Name	Chapter
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-Dimethyl-4-heptanone	DIISOBUTYL KETONE	17
2,6-Dimethylheptan-4-one	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-dimethylaurylamine	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-Dimethylpropyl ethyl ether	TERT-AMYL ETHYL ETHER	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
Dimethyltrimethylene glycol	2,2-DIMETHYLPROPANE-1,3-DIOL (MOLTEN OR SOLUTION)	17

Index Name	Product Name	Chapter
DINITROTOLUENE (MOLTEN)		17
DINONYL PHTHALATE		17
Dinonyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
3,6-Dioxaoctane-1,8-diol	TRIETHYLENE GLYCOL	18
Diocetyl adipate	DI-(2-ETHYLHEXYL) ADIPATE	17
Diocetyl hydrogen phosphate	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17
Diocetyl phosphoric acid	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID	17
DIOCTYL PHTHALATE		17
Diocetyl terephthalate	BIS(2-ETHYLHEXYL) TEREPHTHALATE	17
2,4-D-diolamine	2,4-DICHLOROPHOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION	17
1,4-Dioxan	1,4-DIOXANE	17
1,4-DIOXANE		17
1,3-Dioxolan-2-one	ETHYLENE CARBONATE	17
Dioxolone-2	ETHYLENE CARBONATE	17
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

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
1-Dodecanethiol	N-DODECYL MERCAPTAN	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
1-DODECENE		17
Dodec-1-ene	1-DODECENE	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
N-DODECYL MERCAPTAN		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 CALCIUM BROMIDE)		17
DRILLING BRINES (CONTAINING ZINC CHLORIDE)		17

Index Name	Product Name	Chapter
(E)-But-2-enal	CROTONALDEHYDE	17
Enanthic acid	N-HEPTANOIC ACID	17
Enanthylic acid	N-HEPTANOIC ACID	17
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+) ALKYOXYALKYLAMINE		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	17
ETHYL ACRYLATE		17
ETHYL ALCOHOL		18
ETHYLAMINE (*)		17
ETHYLAMINE SOLUTIONS (72% OR LESS)		17
Ethylaminocyclohexane	N-ETHYLCYCLOHEXYLAMINE	17
ETHYL AMYL KETONE		17

Index Name	Product Name	Chapter
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
Ethyl carbinol	N-PROPYL ALCOHOL	17
Ethyl cyanide	PROPIONITRILE	17
ETHYLCYCLOHEXANE		17
N-ETHYLCYCLOHEXYLAMINE		17
Ethyldimethylmethane (a)	PENTANE (ALL ISOMERS)	17
S-Ethyl dipropylcarbamoithioate	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		17
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 n-butyl ether (58%)/ Hyperbranched polyesteramide (42%)	2-BUTOXYETHANOL (58%)/HYPERBRANCHED POLYESTERAMIDE (42%) (MIXTURE)	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

Index Name	Product Name	Chapter
ETHYLENE GLYCOL MONOALKYL ETHERS		17
Ethylene glycol monoalkyl ethers (58%)/ Hyperbranched polyesteramide (42%)	2-BUTOXYETHANOL (58%)/HYPERBRANCHED POLYESTERAMIDE (42%) (MIXTURE)	17
Ethylene glycol monobutyl ether (a)	ETHYLENE GLYCOL MONOALKYL ETHERS	17
Ethylene glycol monobutyl ether (58%)/ Hyperbranched polyesteramide (42%)	2-BUTOXYETHANOL (58%)/HYPERBRANCHED POLYESTERAMIDE (42%) (MIXTURE)	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
ETHYLENE GLYCOL PHENYL ETHER/DIETHYLENE GLYCOL PHENYL ETHER MIXTURE		17
ETHYLENE GLYCOL (>75%)/SODIUM ALKYL CARBOXYLATES/BORAX MIXTURE		17
ETHYLENE GLYCOL (>85%)/SODIUM ALKYL CARBOXYLATES 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 ALKYL)	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
Ethyllic acid	ACETIC ACID	17
5-Ethylidenebicyclo(2.2.1)hept-2-ene	ETHYLIDENE NORBORNENE	17
Ethylidene chloride	1,1-DICHLOROETHANE	17
ETHYLIDENE NORBORNENE		17

Index Name	Product Name	Chapter
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
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
Extra virgin grape seed oil	GRAPE SEED OIL	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
FISH PROTEIN CONCENTRATE (CONTAINING 4% OR LESS FORMIC ACID)		17
FISH SILAGE PROTEIN CONCENTRATE (CONTAINING 4% OR LESS FORMIC ACID)		17
FLUROSILICIC ACID SOLUTION (20-30%)		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

Index Name	Product Name	Chapter
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
Furylcarbinol	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 10% OR MORE AMINES)		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	17
GLYCERINE		17
Glycerin triacetate	GLYCERYL TRIACETATE	17
Glyceritol	GLYCERINE	17
Glycerol	GLYCERINE	17
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	17
Glycol chlorohydrin	ETHYLENE CHLOROHYDRIN	17
Glycol dichloride	ETHYLENE DICHLORIDE	17

Index Name	Product Name	Chapter
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	17
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
GRAPE SEED OIL		17
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
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
Hexafluorosilicate solution (20-30%)	FLUOROSILICIC ACID SOLUTION (20-30%)	17
Hexahydroaniline	CYCLOHEXYLAMINE	17

Index Name	Product Name	Chapter
Hexahydro-1H-azepine	HEXAMETHYLENEIMINE	17
Hexahydrobenzene	CYCLOHEXANE	17
Hexahydro-l-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		17
Hexamine	HEXAMETHYLENETETRAMINE SOLUTIONS	17
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
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		17
Hexyl ethanoate	HEXYL ACETATE	17

Index Name	Product Name	Chapter
Highly-Reactive Polyisobutylene	POLY(4+)ISOBUTYLENE (MW>224)	17
Homopiperidine	HEXAMETHYLENEIMINE	17
HYDROCARBON WAX		17
HYDROCHLORIC ACID (*)		17
Hydrofluorosilic acid solution (20-30%)	FLUROSILICIC ACID SOLUTION (20-30%)	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-ethanediy)]	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
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-methylpropionitrile	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

Index Name	Product Name	Chapter
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-Hydroxypropionitrile	ETHYLENE CYANOHYDRIN	17
2-Hydroxypropionitrile 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
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

Index Name	Product Name	Chapter
Isooctane (a)	OCTANE (ALL ISOMERS)	17
Isooctanol	OCTANOL (ALL ISOMERS)	17
Isopentane (a)	PENTANE (ALL ISOMERS)	17
Isopentanol	AMYL ALCOHOL, PRIMARY	17
Isopentanol	ISOAMYL ALCOHOL	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
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

Index Name	Product Name	Chapter
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
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)	ALKYLBENZENE DISTILLATION BOTTOMS	17
Linear alkyl(C12-C16) propoxyamine ethoxylate	ALKYL(C12-C16) PROPOXYAMINE ETHOXYLATE	17
LINSEED OIL		17
LIQUID CHEMICAL WASTES		17
Liquid paraffin	N-ALKANES (C10-C20)	17
LONG-CHAIN ALKARYL POLYETHER (C11-C20)		17
LONG-CHAIN ALKARYL SULPHONIC ACID (C16-C60)		17
LONG-CHAIN ALKYLPHENATE/PHENOL SULPHIDE MIXTURE		17
LONG-CHAIN ALKYLPHENOL (C14-C18)		17
LONG-CHAIN ALKYLPHENOL (C18-C30)		17
Lye, soda solution	SODIUM HYDROXIDE SOLUTION (*)	17
L-LYSINE SOLUTION (60% OR LESS)		17
Magnesia hydrate	MAGNESIUM HYDROXIDE SLURRY	17
MAGNESIUM CHLORIDE SOLUTION		17
MAGNESIUM HYDROXIDE SLURRY		17
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
MALEIC ANHYDRIDE-SODIUM ALLYLSULPHONATE COPOLYMER SOLUTION		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)	17

Index Name	Product Name	Chapter
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	17
3-METHOXY-1-BUTANOL		17
3-Methoxybutan-1-ol	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
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

Index Name	Product Name	Chapter
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-Methyl-2-butanol	TERT-AMYL ALCOHOL	17
2-Methylbutan-2-ol	TERT-AMYL ALCOHOL	17
2-Methyl-4-butanol	ISOAMYL ALCOHOL	17
3-Methyl-1-butanol	AMYL ALCOHOL, PRIMARY	17
3-Methylbutan-1-ol	AMYL ALCOHOL, PRIMARY	17
3-Methyl-1-butanol	ISOAMYL ALCOHOL	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

Index Name	Product Name	Chapter
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	2-METHYL-2-HYDROXY-3-BUTYNE	17
2-Methylbut-3-yn-2-ol	METHYLBUTYNOL	17
2-Methyl-3-butyne-2-ol	METHYLBUTYNOL	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	17
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
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

Index Name	Product Name	Chapter
2-METHYL-5-ETHYL PYRIDINE		17
METHYL FORMATE		17
N-METHYLGLUCAMINE SOLUTION (70% OR LESS)		17
N-methyl-D-glucamine solution (70% or less)	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	17
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
Methylhexylcarbinol	OCTANOL (ALL ISOMERS)	17
Methyl 2-hydroxybenzoate	METHYL SALICYLATE	17
Methyl o-hydroxybenzoate	METHYL SALICYLATE	17
2-METHYL-2-HYDROXY-3-BUTYNE		17
2-Methyl-2-hydroxy-3-butyne	METHYLBUTYNOL	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
alpha-Methyl-omega-methoxypoly(oxyethylene)	POLYETHYLENE GLYCOL DIMETHYL ETHER	17
Methyloxirane	PROPYLENE OXIDE	17
2-Methyl-2,4-pentanediol	HEXYLENE GLYCOL	17
2-Methylpentane-2,4-diol	HEXYLENE GLYCOL	17
4-Methylpentanol-2	METHYLAMYL ALCOHOL	17
4-Methylpentan-2-ol	METHYLAMYL ALCOHOL	17
4-Methyl-2-pentanol acetate	METHYLAMYL ACETATE	17
4-Methyl-2-pentanone	METHYL ISOBUTYL KETONE	17

Index Name	Product Name	Chapter
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-Methylpropan-1-ol	ISOBUTYL ALCOHOL	17
2-Methyl-1-propanol	ISOBUTYL ALCOHOL	17
2-Methylpropan-2-ol	TERT-BUTYL ALCOHOL	17
2-Methyl-2-propanol	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		17
2-METHYLPYRIDINE		17
3-METHYLPYRIDINE		17
4-METHYLPYRIDINE		17
alpha-Methylpyridine	2-METHYLPYRIDINE	17
1-Methylpyrrolidin-2-one	N-METHYL-2-PYRROLIDONE	17
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
Methyl soyate	SOYBEAN OIL FATTY ACID METHYL ESTER	17
Methylstyrene (all isomers)	VINYLTOLUENE	17
ALPHA-METHYLSTYRENE		17

Index Name	Product Name	Chapter
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 wax	HYDROCARBON WAX	17
Mixed aliphatic oxygenated hydrocarbons, primary aliphatic alcohols and aliphatic ethers: mol wt: >200 (a)	OXYGENATED ALIPHATIC HYDROCARBON MIXTURE	17
MOLASSES		18
MOLYBDENUM POLYSULPHIDE 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 ALKYL)		17
Muriatic acid	HYDROCHLORIC ACID (*)	17
MYRCENE		17
Naphtha, coal tar	COAL TAR NAPHTHA SOLVENT	17
NAPHTHALENE (MOLTEN)		17
NAPHTHALENE CRUDE (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
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

Index Name	Product Name	Chapter
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
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

Index Name	Product Name	Chapter
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
OCTAMETHYLCYCLOTETRASILOXANE		17
Octanal (a)	OCTYL ALDEHYDES	17
OCTANE (ALL ISOMERS)		17
1-Octanethiol	N-OCTYL MERCAPTAN	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
N-OCTYL MERCAPTAN		17
Octyl nitrate	ALKYL (C7-C9) NITRATES	17
Octyl nitrates (all isomers)	ALKYL (C7-C9) NITRATES	17
Octyl phthalate (a)	DIALKYL (C7-C13) PHTHALATES	17
Oenanthic acid	N-HEPTANOIC ACID	17
Oenanthylic acid	N-HEPTANOIC ACID	17
OFFSHORE CONTAMINATED BULK LIQUID P*		17

Index Name	Product Name	Chapter
OFFSHORE CONTAMINATED BULK LIQUID S*		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, STABILIZED		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	17
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	17
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

Index Name	Product Name	Chapter
PALM MID-FRACTION		17
PALM OIL		17
PALM OIL FATTY ACID METHYL ESTER		17
PALM OLEIN		17
PALM STEARIN		17
Paraffin	HYDROCARBON WAX	17
C9-C11 n-Paraffin	N-ALKANES (C9-C11)	17
Paraffin, food grade	PARAFFIN WAX, HIGHLY-REFINED	17
n-Paraffin (C9-C11)	N-ALKANES (C9-C11)	17
n-Paraffins (C10-C20) (a)	N-ALKANES (C10-C20)	17
Paraffin wax	HYDROCARBON WAX	17
Paraffin wax, cosmetic	PARAFFIN WAX, HIGHLY-REFINED	17
Paraffin wax feedstock	PARAFFIN WAX, SEMI-REFINED	17
PARAFFIN WAX, HIGHLY-REFINED		17
PARAFFIN WAX, SEMI-REFINED		17
Paraffin wax, technical	PARAFFIN WAX, SEMI-REFINED	17
PARALDEHYDE		17
PARALDEHYDE-AMMONIA REACTION PRODUCT		17
Petrolatum	HYDROCARBON WAX	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
Pentanal	VALERALDEHYDE (ALL ISOMERS)	17
Pentane (a)	PENTANE (ALL ISOMERS)	17
PENTANE (ALL ISOMERS)		17
Pentanedial 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

Index Name	Product Name	Chapter
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	17
Pentan-2-one	METHYL PROPYL KETONE	17
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, highly-refined	PARAFFIN WAX, HIGHLY-REFINED	17
Petrolatum, industrial grade	PARAFFIN WAX, SEMI-REFINED	17
Petrolatum, USP-grade	PARAFFIN WAX, HIGHLY-REFINED	17
Petroleum jelly, technical	PARAFFIN WAX, SEMI-REFINED	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

Index Name	Product Name	Chapter
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
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)	PTHALIC ANHYDRIDE (MOLTEN)	17
Phthalic acid anhydride (molten)	PTHALIC ANHYDRIDE (MOLTEN)	17
Phthalic acid, diundecyl ester	DIUNDECYL PHTHALATE	17
PTHALIC 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
PIPERAZINE, 68% SOLUTION		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

Index Name	Product Name	Chapter
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
POLYALKYL (C10-C18) METHACRYLATE/ETHYLENE-PROPYLENE COPOLYMER MIXTURE		17
POLYALUMINIUM CHLORIDE SOLUTION		17
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)		17
Polyglycitol syrup	HYDROGENATED STARCH HYDROLYSATE	18
POLY(IMINOETHYLENE)-GRAFT-N-POLY(ETHYLENEOXY) SOLUTION (90% OR LESS)		17
POLYISOBUTENAMINE IN ALIPHATIC (C10-C14) SOLVENT		17
(POLYISOBUTENE) AMINO PRODUCTS IN ALIPHATIC HYDROCARBONS		17
POLYISOBUTENYL ANHYDRIDE ADDUCT		17
POLY(4+)ISOBUTYLENE (MW>224)		17
POLYISOBUTYLENE (MW≤224)		17
POLYMETHYLENE POLYPHENYL ISOCYANATE		17
POLYOLEFIN (MOLECULAR WEIGHT 300+)		17
POLYOLEFIN AMIDE ALKENEAMINE (C17+)		17

Index Name	Product Name	Chapter
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
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 (*)		17
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	17
Propanenitrile	PROPIONITRILE	17
1,2,3-Propanetriol	GLYCERINE	17
Propane-1,2,3-triol	GLYCERINE	17
1,2,3-Propanetriol triacetate	GLYCERYL TRIACETATE	17

Index Name	Product Name	Chapter
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
Propenenitrile	ACRYLONITRILE	17
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
Propiononitrile	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

Index Name	Product Name	Chapter
PROPYLBENZENE (ALL ISOMERS)		17
n-Propylbenzene (a)	PROPYLBENZENE (ALL ISOMERS)	17
Propylcarbinol	N-BUTYL ALCOHOL	18
Propylene aldehyde	CROTONALDEHYDE	17
2,2'-[Propylenebis(nitrilomethylene)]diphenol in aromatic solvent	ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS	17
PROPYLENE CARBONATE		17
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
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	17
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

Index Name	Product Name	Chapter
RAPESEED OIL		17
RAPESEED OIL (LOW ERUCIC ACID CONTAINING LESS THAN 4% FREE FATTY ACIDS)		17
RAPE SEED OIL FATTY ACID METHYL ESTERS		17
Refined, bleached, deodorized grape seed oil (RBD)	GRAPE SEED OIL	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
Silicofluoric acid solution (20-30%)	FLUOROSILICIC ACID SOLUTION (20-30%)	17
Slack wax	HYDROCARBON WAX	17
Sludge acid	SULPHURIC ACID, SPENT	17
SME	SOYBEAN OIL FATTY ACID METHYL ESTER	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
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 carboxylate solution	CYCLOHEXANE OXIDATION PRODUCTS, SODIUM SALTS 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

Index Name	Product Name	Chapter
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 METHYL ALCOHOL	17
Sodium methoxide	SODIUM METHYLATE 21-30% IN METHYL ALCOHOL	17
SODIUM METHYLATE 21-30% IN METHYL ALCOHOL		17
Sodium methylcarbamdithioate	METAM SODIUM SOLUTION	17
Sodium N-methyldithiocarbamate	METAM SODIUM SOLUTION	17
Sodium methylidithiocarbamate solution	METAM SODIUM SOLUTION	17
SODIUM NITRITE SOLUTION		17
SODIUM PETROLEUM SULPHONATE		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		17
SODIUM SULPHIDE SOLUTION (15% OR LESS)		17
SODIUM SULPHITE SOLUTION (25% OR LESS)		17
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-Sorbite solution	SORBITOL SOLUTION	18
SORBITOL SOLUTION		18
d-Sorbitol solution	SORBITOL SOLUTION	18
SOYABEAN OIL		17
Soya Methyl Ester (SME)	SOYBEAN OIL FATTY ACID METHYL ESTER	17
SOYBEAN OIL FATTY ACID METHYL ESTER		17
Soybean Oil Methyl Ester	SOYBEAN OIL FATTY ACID METHYL ESTER	17
Spirit of turpentine	TURPENTINE	17

Index Name	Product Name	Chapter
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
TALL OIL SOAP, CRUDE		17
TALLOW		17
TALLOW FATTY ACID		17
Tar acids (cresols)	CRESOLS (ALL ISOMERS)	17
Tar camphor	NAPHTHALENE (MOLTEN)	17
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	17
TETRACHLOROETHANE		17
1,1,2,2-Tetrachloroethane	TETRACHLOROETHANE	17
Tetrachloroethylene	PERCHLOROETHYLENE	17
1,1,2,2-tetrachloroethylene	PERCHLOROETHYLENE	17
Tetrachloromethane	CARBON TETRACHLORIDE	17

Index Name	Product Name	Chapter
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 ALKYL)	17
Tetraethylplumbane	MOTOR FUEL ANTI-KNOCK COMPOUND (CONTAINING LEAD ALKYL)	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 ALKYL)	17
Tetrapropylbenzene	ALKYL(C9+)BENZENES	17
Tetrapropylenebenzene	DODECYLBENZENE	17
Tetryl formate	ISOBUTYL FORMATE	17
4-thiapentanal	3-(METHYLTHIO)PROPIONALDEHYDE	17
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

Index Name	Product Name	Chapter
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
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

Index Name	Product Name	Chapter
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	17
Trihydroxytriethylamine	TRIETHANOLAMINE	17
TRISOPROPANOLAMINE		17
TRISOPROPYLATED 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
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

Index Name	Product Name	Chapter
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-C20)	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 PHOSPHATE SOLUTION		17
UREA SOLUTION		17
USED COOKING OIL (M)		17
USED COOKING OIL (TRIGLYCERIDES, C16-C18 AND C18 UNSATURATED)** (M)		17
Valeral	VALERALDEHYDE (ALL ISOMERS)	17
VALERALDEHYDE (ALL ISOMERS)		17

Index Name	Product Name	Chapter
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
Vaseline (cosmetic)	PARAFFIN WAX, HIGHLY-REFINED	17
VEGETABLE ACID OILS (M)		17
VEGETABLE FATTY ACID DISTILLATES (M)		17
VEGETABLE OIL MIXTURES, CONTAINING LESS THAN 15% FREE FATTY ACID (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
Vinyltoluene (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
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

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 CHLORIDE)	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

”

第 21 章 根据 IBC 规则确定运输规定的标准*

* 本变更通告第 21 章修订内容，将于 2021 年 1 月 1 日生效。

第 21 章的整个文本由下文替代：

21.1 简介

21.1.1 下列标准用于确定待评估列入IBC 规则或MEPC.2/Circular通函清单1、3或4中的散装液体货物的污染等级和相应的运输要求。

21.1.2 在制定本标准时，必须尽力遵守全球统一体系（GHS）下制定的标准和临界点。

21.1.3 尽管本标准旨在给出详细的规定，以确立一个统一的方法，但必须强调，当人们的经验或其他因素表明需要作出替代性安排时，则应予以考虑。当已认识到标准中的偏差时，这些偏差必须正确记录下来并说明理由。

21.2 内容

21.2.1 本章包含下列内容：

- .1 IBC规则第17章规定的货物的最低安全和污染标准；
- .2 用于对满足安全或污染标准而纳入IBC规则第17章的货物确定最低运输要求的标准；
- .3 用于确定IBC规则第17章的o栏内纳入IBC规则第15章中的特殊要求的标准；
- .4 用于确定IBC规则第17章的o栏内纳入IBC规则第16章中的特殊要求的标准；
- .5 本章中使用的特性的定义；
- .6 有关使用GESAMP危害评级的信息；和
- .7 有关应用SVC/LC₅₀比率方法的信息。

21.2.2 本章出现的分类标准后的圆括号中的内容系指MARPOL附则II附录1中所载的GESAMP危害评定程序缩略图例中的GESAMP危害特性表评级。针对所评估物质的GESAMP危害特性表评级的完整清单每年发布在GESAMP综合清单中，作为PPR通函。应注意，就确定运输要求而言，圆括号中的评级（基于GESAMP中采用的评估方法）视

为等效于无圆括号的评级。

21.3 IBC规则第17章规定的货物的最低安全和污染标准

21.3.1 根据IBC规则第17章的规定，符合下列一项或多项标准的货物将视作有害物质：

- .1 吸入 $LC_{50}/ATE \leq 20 \text{ mg/L/4h}$ (见21.7.1.3) (C3=1、2、3或4)；
- .2 皮肤接触 $LD_{50}/ATE \leq 2000 \text{ mg/kg}$ (见21.7.1.2) (C2=1、2、3或4)；
- .3 口腔吸收 $LD_{50}/ATE \leq 2000 \text{ mg/kg}$ (见21.7.1.1) (C1=1、2、3或4)；
- .4 长期接触对哺乳动物的毒性 (见21.7.2) (D3=C、M、R、N、T或I)；
- .5 造成皮肤过敏 (见21.7.3) (D3=Ss)；
- .6 造成呼吸道过敏 (见21.7.4) (D3=Sr)；
- .7 腐蚀皮肤 (见21.7.5) (D1=3、3A、3B或3C)；
- .8 遇水反应指数 (WRI) ≥ 1 (见21.7.6)；
- .9 为避免危险反应必须进行惰化、抑制、稳定、温控或液货舱环境控制 (见21.7.10的定义)；
- .10 闪点 $< 23^{\circ}\text{C}$ ，且爆炸 / 着火范围 (空气中百分比含量) $\geq 20\%$ ；
- .11 自燃温度 $\leq 200^{\circ}\text{C}$ ；和
- .12 污染类别属于X 或Y 类，或者符合21.4.5.2表21.4.5.2中11至13规则的标准。

21.4 确定拟纳入IBC规则第17章的货品应满足的最低安全或污染运输要求的标准

21.4.1 a 栏 – 货物名字

21.4.1.1 应尽可能使用化学文摘社(CAS)或国际理论和应用化学联合会(IUPAC) 中的规定的标准化学名称，但如果过于复杂时，也可采用其他明晰正确的化学名词。

21.4.2 b 栏 – 已删除

21.4.3 c 栏 – 污染类别

21.4.3.1 c 栏按防污公约附则II，基于表21.4.3.1 (见MARPOL附则II附录I) 确定了

各货物污染类别。

表21.4.3.1 有毒液体物质分类指南

规则	A1生物 积聚	A2生物 退化	B1 急性 剧毒	B2 慢性 剧毒	D3 长期 影响健康	E2 对海洋野生 物及海底生态 环境的影响	类别
1			≥ 5				X
2	≥ 4		4				
3		NR	4				
4	≥ 4	NR			CMRTNI ^①		
5			4				Y
6			3				
7			2				
8	≥ 4	NR		非0			
9				≥ 1			
10						Fp、F或S 如非无机物	
11					CMRTNI ^①		
12	任何不符合规则1至11及13的标准的货品						Z
13	所有如下货品：A1栏中 ≤ 2 ；A2栏中为R；D3栏中为空白；E2栏中为非Fp、F或S（如非有机物）；以及在GESAMP危害特性表中所有其他栏中为0（零）的货品						OS

21.4.4 d 栏 – 危险品

21.4.4.1 在d栏中符合21.3.1.1至21.3.1.11中安全标准的货物后加“S”记号。

21.4.4.2 如货物满足表21.4.5.2中规则1至14定义的1型至3型船舶标准，则在d栏中加“P”。

21.4.5 e 栏 – 船舶类型

21.4.5.1 应从污染和安全的角度出发来划定船型。表21.4.5.2说明了基于GESAMP危害特性表从污染角度来确定船舶类型的基本标准。对各栏中的详细说明请参见MARPOL附则II附录1。

21.4.5.2 船舶类型根据以下标准确定：

船舶类型1：

吸入 $LC_{50}/ATE \leq 0.5 \text{ mg/L/4h}$ (C3=4) 和 $SVC/LC_{50} \geq 20$ ；和/或

^①如果 D3 级中包括这些字母中的任一个或者其任何组合，则适用。

皮肤接触 $LD_{50}/ATE \leq 50 \text{ mg/kg}$ (C2=4) ; 和/或

WRI = 3; 和/或

自燃温度 $\leq 65^{\circ}\text{C}$; 和/或

爆炸范围 $\geq 50\%$ (空气中的体积比), 闪点 $< 23^{\circ}\text{C}$; 和/或

符合21.4.5.2中表21.4.5.2中规则1或2 (见表21.4.5.2)。

船舶类型2:

吸入 $LC_{50}/ATE \leq 0.5 \text{ mg/L/4h}$ (C3=4) 和 $SVC/LC_{50} < 20$; 或

吸入 $LC_{50}/ATE > 0.5 \text{ mg/L/4h}$ 且 $\leq 2 \text{ mg/L/4h}$ (C3=4) 和 $SVC/LC_{50} \geq 2$ (见注); 和/或

皮肤接触 $LD_{50}/ATE > 50 \text{ mg/kg}$ 且 $\leq 200 \text{ mg/kg}$ (C2=3); 和/或

WRI = 2; 和/或

自燃温度 $\leq 200^{\circ}\text{C}$; 和/或

爆炸范围 $\geq 40\%$ (空气中的体积比), 闪点 $< 23^{\circ}\text{C}$; 和/或

符合表21.4.5.2中规则3至10的标准的任一货品。

注: 基于吸入毒性标准被归类至船型2的密度 $> 1025 \text{ kg/m}^3$ (沉降物) 或水溶解度 $> 50\%$ (溶解物) 的货品可重新归类至船型3。

船舶类型3:

IBC规则第17章中散装液体货物的最低安全或污染标准不符合船舶类型1或2且不符合21.4.5.2中表21.4.5.2中规则15。

表21.4.5.2 基于GESAMP危害特性表的船舶类型分类

规则	A1	A2	B1	B2	D3	E2	船型
<u>1</u>			≥ 5				<u>1</u>
<u>2</u>	≥ 4	NR	4		CMRTNI ^①		
<u>3</u>	≥ 4	NR			CMRTNI ^②		<u>2</u>
<u>4</u>			4				
<u>5</u>	≥ 4		<u>3</u>				
<u>6</u>		NR	<u>3</u>				
<u>7</u>				≥ 1			
<u>8</u>		NR				Fp	
<u>9</u>					CMRTNI ^②	F	
<u>10</u>			≥ 2			S	
<u>11</u>	≥ 4						<u>3</u>
<u>12</u>		NR					
<u>13</u>			≥ 1				
<u>14</u>	所有其他Y类物质						NA
<u>15</u>	所有其他Z类物质 所有“其他物质”(OS)						

21.4.6 f 栏 – 舱型

21.4.6.1 舱型根据以下标准确定：

1G 舱型：吸入 $LC_{50}/ATE \leq 0.5\text{mg/L/4h}$ (C3=4) 和 $SVC/LC_{50} \geq 1000$ ；和/或

皮肤接触 $LD_{50}/ATE \leq 50\text{mg/kg}$ (C2=4)；和/或

WRI = 3；和/或

自燃温度 $\leq 65^\circ\text{C}$ ；和/或

爆炸范围 $\geq 40\%$ （空气中的体积比），闪点 $< 23^\circ\text{C}$ 。

基于专家判断，对于特定货品可要求1G舱型（例如，对于熔硫、盐酸）。

2G 舱型：IBC 规则第17章中散装液体货物的最低安全或污染标准不符合1G 舱型的要求。

21.4.7 g 栏 – 液舱透气

21.4.7.1 液舱透气装置根据以下标准确定：

控制式透气：除非符合21.7.12，否则吸入 $LC_{50}/ATE \leq 10\text{mg/L/4h}$ (C3=2、3或4)；

和/或

^①如果 D3 级中包括这些字母中的任一个或者其任何组合，则适用。

长期接触对哺乳类动物有害 (D3 = C、M、R、T、N 或 I) ; 和/或
导致呼吸道过敏 (D3 = Sr, 还可见21.7.4) ; 和/或
必须加以特殊运输控制; 和/或
闪点 $\leq 60^{\circ}\text{C}$; 和
皮肤腐蚀 (暴露 ≤ 4 小时)。(D1 = 3A、3B 或 3C)。

开式透气: IBC规则第17章中散装液体货物的最低安全或污染标准不符合控制式液
舱透气设备。

21.4.8 h 栏 – 液舱环境控制

21.4.8.1 液舱环境控制条件根据以下标准确定:

惰化: 自燃温度 $\leq 200^{\circ}\text{C}$; 和/或

与空气反应造成危险; 和/或

爆炸范围 $\geq 40\%$ 且闪点 $< 23^{\circ}\text{C}$ 。

干燥: $\text{WRI} > 1$

填垫: 视情况而定, 仅适用于特定货物。

通风: 视情况而定, 仅适用于特定货物。

No: 如不适用以上标准 (可根据SOLAS规定惰化要求)。

21.4.9 i 栏 – 电气设备

21.4.9.1 如果货物的闪点 $\leq 60^{\circ}\text{C}$ 或者受热至闪点范围内 15°C , 则要求的电气设备
根据以下标准确定, 否则, 在i' 和i” 栏中填入“-”。

.1 i' 栏 – 温度等级

T1 自燃温度 $\geq 450^{\circ}\text{C}$

T2 自燃温度 $\geq 300^{\circ}\text{C}$ 但 $< 450^{\circ}\text{C}$

T3 自燃温度 $\geq 200^{\circ}\text{C}$ 但 $< 300^{\circ}\text{C}$

T4 自燃温度 $\geq 135^{\circ}\text{C}$ 但 $< 200^{\circ}\text{C}$

T5 自燃温度 $\geq 100^{\circ}\text{C}$ 但 $< 135^{\circ}\text{C}$

T6 自燃温度 $\geq 85^{\circ}\text{C}$ 但 $< 100^{\circ}\text{C}$

.2 i” 栏 – 设备分类

<u>设备组</u>	<u>20°C的MESG (mm)</u>	<u>MIC比率 货物/甲烷</u>
<u>IIA</u>	<u>> 0.90</u>	<u>≥ 0.80</u>
<u>IIB</u>	<u>> 0.50 至 ≤ 0.90</u>	<u>> 0.45 至 ≤ 0.80</u>
<u>IIC</u>	<u>≤ 0.50</u>	<u>≤ 0.45</u>

.1 测试应根据IEC60079-1-1:2002和IEC 79-3规定的程序进行。

.2 对于气体和蒸气，只要符合以下情况，仅对最大试验安全间隙（MESG）或最低点火电流（MIC）其中之一作出确定即可：

IIA组：MESG > 0.90 mm 或 MIC比率 > 0.80

IIB组：MESG > 0.50 mm 且 ≤ 0.90 mm；或者 MIC比率 > 0.50 且 ≤ 0.80

IIC组：MESG ≤ 0.50 mm 或 MIC比率 ≤ 0.45 。

.3 以下情况时，需确定MESG和MIC比率两项数值：

.1 仅MIC比率已予确定，且在0.80至0.90之间，则需进行MESG确定；

.2 仅MIC比率已予确定，且在0.45 至0.50之间，则需进行MESG确定；或

.3 仅MESG已予确定，且在0.50mm 至0.55mm 之间，则需进行MIC比率确定。

.3 i”” 栏 – 闪点：

$> 60^{\circ}\text{C}$ ：是

$\leq 60^{\circ}\text{C}$ ：否

非易燃货物：NF

21.4.10 i 栏 – 测量

21.4.10.1 测量设备必须根据以下标准进行确定：

封闭式：除非符合21.7.12，否则吸入 $\text{LC}_{50}/\text{ATE} \leq 2 \text{ mg/L/4h}$ （C3=3或4）；和/或

皮肤接触 $\text{LD}_{50}/\text{ATE} \leq 1000 \text{ mg/kg}$ （C2=2、3或4）；和/或

长期接触对哺乳类动物有害 (D3=C、M、R、T、N 或 I)；和/或
导致呼吸道过敏 (D3=Sr, 还可见21.7.4)；和/或
严重皮肤腐蚀 (暴露 ≤ 3分钟) (D1=3C)。

限制式：除非符合21.7.12, 否则吸入 LC₅₀/ATE > 2 mg/L/4h 至 ≤ 10 mg/L/4h
(C3=2)；和/或
需要特殊运输控制进行惰化；和/ 或
高度皮肤腐蚀 (暴露 > 3分钟 且 ≤ 1小时) (D1=3B)；和/或
闪点 ≤ 60℃。

开式：IBC 规则第17章中散装液体货物的最低安全或污染标准不符合封闭式或限制式的测量设备。

21.4.11 k栏-蒸气探测

21.4.11.1 蒸气探测设备必须根据下列标准进行确定：

毒性 (T)：除非符合21.7.12, 否则吸入 LC₅₀/ATE ≤ 10 mg/L/4h (C3=2、3或4)；
和/或
导致呼吸道过敏 (D3=Sr, 还可见21.7.4)；和/或
长期接触对哺乳类动物有害 (D3=C、M、R、T、N 或 I)。

可燃性 (F)：闪点 ≤ 60℃

No: 以上标准皆不适用

21.4.12 1 栏 – 消防设备

21.4.12.1 与货物特性有关的相关灭火介质根据下列标准进行确定：

可溶性 > 10% (> 100000mg/L)：A 抗乙醇性泡沫

可溶性 ≤ 10% (< 100000mg/L)：A 抗乙醇性泡沫；和/或

B 普通泡沫。

WRI = 0: C 水雾(通常作为冷却剂, 并可在WRI = 0 时与
A和/或B一起使用)

WRI ≥ 1: D 干粉

No 本规则中无要求。如果某一货品在i'''栏中被确定为NF，则本条适用。（见21.4.9.1.3）。

注：应列出所有相关介质。

21.4.13 m 栏 – 已删除。

21.4.14 n 栏 – 应急设备

21.4.14.1 船上应具有个人应急设备的要求根据下列标准在n 栏中由“**Yes**”确定：

除非符合21.7.12，否则吸入 $LC_{50}/ATE \leq 2\text{mg/L/4h}$ (C3=3或4)；和/ 或
导致呼吸道过敏 (D3=Sr, 还可见21.7.4)；和/ 或
严重腐蚀皮肤 (暴露 ≤ 3 分钟) (D1=3C)；和/ 或
WRI = 2。

No: 表示以上标准不适用。

21.5 o 栏–第15章特别要求的标准

21.5.1 o 栏中的特别要求应通常按报表中提供的数据制定的明确标准确定。如认为需变更此类标准时，应对此作明确的记录，并在有要求时可易于查阅。

21.5.2 第15和16章特别要求的参照标准及相关评价如下所示。

21.5.3 15.2至15.10和15.20

21.5.3.1 15.2至15.10及15.20标出了特别货物的名称，以及无法简单适用其他方式的特殊运输要求。

21.5.4 15.11 – 酸

21.5.4.1 15.11 适用于所有酸类，但下列除外：

- .1 有机酸 – 仅15.11.2 至15.11.4 以及15.11.6 至15.11.8 适用时, 或
- .2 不产生氢气 – 15.11.5 不必适用时。

21.5.5 15.12 – 有毒货物

21.5.5.1 根据以下标准在o 栏中加入所有15.12 条款：

除非符合21.7.12，否则吸入 $LC_{50}/ATE \leq 2\text{mg/L/4h}$ (C3=3或4)；和/或
货物导致呼吸道过敏 (D3=Sr, 还可见21.7.4)；和/或
货物长期接触对哺乳类动物有害 (D3=C、M、R、T、N 或 I)。

21.5.5.2 根据下列标准在o 栏中加入15.12.3和15.2.4：

除非符合21.7.12，否则吸入 $LC_{50}/ATE > 2\text{mg/L/4h}$ 至 $\leq 10\text{mg/L/4h}$
(C3=2)。

21.5.5.3 根据下列标准在o 栏中加入15.12.3.2：

皮肤接触 $LD_{50}/ATE \leq 1000\text{mg/kg}$ (C2=2、3或4)；和/或
口腔吸收 $LD_{50}/ATE \leq 300\text{mg/Kg}$ (C1=2、3或4)。

21.5.6 15.13 – 由添加剂保护的货物

21.5.6.1 将15.13 加入o 栏的要求基于以下情况：货物容易聚合、分解、氧化或因其他化学变化在正常运输条件下产生危险，但可以通过加入合适的添加剂加以避免。

21.5.7 15.14 – 货物蒸气压力大于37.8℃时的大气压

21.5.7.1 根据以下标准将15.14 加入o 栏：

沸点 $\leq 37.8\text{ }^{\circ}\text{C}$

21.5.8 15.16 – 货物污染

21.5.8.1 15.16.1 已删除。

21.5.8.2 根据下列标准将15.16.2 加入o 栏：

$WRI > 1$

21.5.9 15.17 – 增加通风要求

21.5.9.1 根据以下标准，15.17 应加入o 栏：

除非符合21.7.12，否则吸入 $LC_{50}/ATE > 0.5\text{mg/L/4h}$ 至 $\leq 2\text{mg/L/4h}$
(C3=3)；和/或
导致呼吸道过敏 (D3=Sr, 还可见21.7.4)；和/或

长期接触对哺乳类动物有害 (D3=C、M、R、T、N 或 I) ; 和/或
高度至严重腐蚀皮肤 (暴露时间 ≤ 1小时) (D1=3B 或 3C)。

21.5.10 15.18 – 对特种货物泵舱的要求

21.5.10.1 根据以下标准15.18 应加入o 栏:

除非符合21.7.12, 否则吸入 $LC_{50}/ATE \leq 0.5\text{mg/L/4h}$ (C3=4)。

21.5.11 15.19 – 溢流控制

21.5.11.1 根据以下标准, 15.19 应加入o栏:

除非符合21.7.12, 否则吸入 $LC_{50}/ATE \leq 2\text{mg/L/4h}$ (C3=3或4) ; 和/或
皮肤接触 $LD_{50}/ATE \leq 1000 \text{ mg/Kg}$ (C2=2、3或4) ; 和/或
口腔吸收 $LD_{50}/ATE \leq 300 \text{ mg/Kg}$ (C1=2、3或4) ; 和/或
导致呼吸道过敏 (D3 = Sr, 还可见21.7.4) ; 和/或
严重腐蚀皮肤 (暴露 ≤ 3分钟) (D1=3C) ; 和/或
自燃温度 ≤ 200°C; 和/或
爆炸范围 ≥ 40% (空气中体积比), 闪点 < 23 °C; 和/或
污染级别为1 型船舶。

21.5.11.2 如货物有下列任一特性, 仅15.19.6 应适用:

除非符合21.7.12, 否则吸入 $LC_{50}/ATE > 2 \text{ mg/L/4h}$ 至 ≤ 10 mg/L/4h
(C3=2) ; 和/或
皮肤接触 $LD_{50}/ATE > 1000 \text{ mg/kg}$ 至 ≤ 2000 mg/kg (C2=1) ; 和/或
口腔吸收 $LD_{50}/ATE > 300 \text{ mg/kg}$ 至 ≤ 2000 mg/kg (C1=1) ; 和/或
皮肤过敏 (D3 = Ss) ; 和/或
高度腐蚀皮肤 (暴露 > 3分钟 且 ≤ 1小时) (D1=3B) ; 和/或
闪点 ≤ 60°C; 和/或
污染级别为2 型船舶; 和/或
污染类别为X或Y。

21.5.12 15.21 —温度传感器

21.5.12.1 根据货物的热敏程度将15.21 加入o 栏。本要求仅适用货泵舱内的泵。

21.6 o 栏—第16章特别要求的标准

21.6.1 16.1至16.2.5以及16.3至16.5

21.6.1.1 这些规定适用于全部货物，因此在o 栏中未作特别说明。

21.6.2 16.2.6

21.6.2.1 对于符合下列标准的货物，将16.2.6加入o 栏：

X类或在20℃时粘度 $\geq 50\text{mPa}\cdot\text{s}$ 的Y类。

21.6.3 16.2.9

21.6.3.1 对于符合下列标准的货物，将16.2.9加入o 栏：熔点 $\geq 0^\circ\text{C}$

21.6.4 16.6 —不得暴露于过热状态下的货物

21.6.4.1 将16.6.2 至16.6.4 加入o 栏，这些货物要求在运输途中进行温度控制。

21.6.5 16.2.7 —持久性漂浮物

对于符合下列标准的货品，o 栏中增加16.2.7：

污染类别为Y类的在20℃时粘度大于或等于50 mPa·s和/或熔点大于或等于0℃的持久性漂浮物（E2=Fp）。

21.7 定义

21.7.1 哺乳动物急性中毒

LC₅₀为导致50%试验物种死亡的试验物质在空气中的浓度，LD₅₀为导致50%试验物种死亡的试验物质的量（剂量）。ATE系指导致哺乳动物死亡的剂量（浓度）范围或外插推算的剂量（浓度），等于LC₅₀或LD₅₀。

21.7.1.1 误食急性中毒

<u>口服毒性(LD₅₀/ATE)</u>		<u>GESAMP危害特性表评级</u>
<u>危险程度</u>	<u>mg/kg</u>	<u>C1</u>
高	≤ 5	4
较高	> 5 至 ≤ 50	3
中等	> 50 至 ≤ 300	2
轻微	> 300 至 ≤ 2000	1
没有	> 2000	0

21.7.1.2 急性皮肤接触中毒

<u>皮肤接触毒性(LD₅₀/ATE)</u>		<u>GESAMP危害特性表评级</u>
<u>危险程度</u>	<u>mg/kg</u>	<u>C2</u>
高	≤ 50	4
较高	> 50 至 ≤ 200	3
中等	> 200 至 ≤ 1000	2
轻微	> 1000 至 ≤ 2000	1
没有	> 2000	0

21.7.1.3 急性吸入中毒

除非另有说明，假定所有吸入毒性数据基于蒸气，而非雾气或飞沫。

<u>吸入毒性 (LC₅₀/ATE)</u>		<u>GESAMP危害特性表评级</u>
<u>危险程度</u>	<u>mg/L/4h</u>	<u>C3</u>
高	≤ 0.5	4
较高	> 0.5 至 ≤ 2	3
中等	> 2 至 ≤ 10	2
轻微	> 10 至 ≤ 20	1
没有	≥ 20	0

21.7.2 长期接触对哺乳动物的毒性

21.7.2.1 如果某货物符合下列任一标准，则归为长期接触对哺乳动物有毒性类型：
已知或怀疑将导致癌症、诱导突变、影响后代、神经中毒、损伤免疫系统或其他非致命剂量但造成特殊目标器官中毒。

21.7.2.2 这类影响可通过货物（D3=C、M、R、T、N 或 I）的GESAMP危害特性表或针对这类信息的其他已知途径获取。

21.7.3 皮肤过敏

21.7.3.1 符合以下情况的货物确定为皮肤过敏剂：

- .1 如果证明相当数量的人员在皮肤接触该货物后发生过敏；或
- .2 有相关动物检验的阳性结果。

21.7.3.2这类影响可通过货物（D3=Ss）的GESAMP危害特性表获取。

21.7.4 呼吸道过敏

21.7.4.1 符合以下情况的货物确定为呼吸道过敏剂：

- .1 如果证实该物质可导致人体呼吸道过敏症状；和/或
- .2 如果相关动物测试结果呈阳性；和/或
- .3 如果货物无GESAMP危害特性表，且标为呼吸过敏剂且无证据证明非呼吸道过敏剂。

21.7.4.2 这类影响可通过货物（D3=Sr）的GESAMP危害特性表或针对这类信息的其他已知途径获取。

21.7.5 腐蚀皮肤^①

<u>危险程度</u>	<u>造成皮肤完全坏死的接触时间</u>	<u>GESAMP危害特性评级</u> <u>D1</u>
<u>严重腐蚀皮肤</u>	<u>≤ 3 min</u>	<u>3C</u>
<u>高度腐蚀皮肤</u>	<u>> 3 min 至 ≤ 1h</u>	<u>3B</u>
<u>轻微腐蚀皮肤</u>	<u>> 1h 至 ≤ 4h</u>	<u>3A</u>

注：在GESAMP危害特性表的D1栏里评级为3或(3)且未标注任何其他字母（A、B或C）时，系指腐蚀严重程度尚未确定。对于这类情况，就确定运输要求而言，可理解成评级为3或(3)等效于评级为3B。

21.7.6 遇水反应物质

21.7.6.1 这些物质分为以下4类：

<u>遇水反应指数(WRI)</u>	<u>定义</u>
<u>3</u>	<u>遇水反应强烈并产生大量易燃、有毒或腐蚀性气体或气雾的化学品</u>
<u>2</u>	<u>接触水后，产生有毒、易燃或腐蚀性气体或气雾的化学品</u>
<u>1</u>	<u>接触水后，发热或产生无毒、不可燃或无腐蚀性气体的化学品</u>
<u>0</u>	<u>接触水后，不产生上述1、2、3类反应的化学品</u>

21.7.7 空气反应物质

^①对皮肤具有腐蚀性的货品也视作对呼吸道有腐蚀性。

21.7.7.1 空气反应物质是指与空气发生反应并造成潜在危险的货物，如形成的氧化物会导致爆炸反应。

21.7.8 电气装备 – 温度等级

(针对闪点 $\leq 60^{\circ}\text{C}$ 或加热至闪点范围 15°C 以内的货物)

21.7.8.1 国际电气技术委员会(IEC) 定义的温度等级如下：

“在实际操作条件下，设备的额定功率（和有关的已知过载（如有时））造成的任何表面的任何部分暴露在爆炸性气体中存在危险的最高温度”。

21.7.8.2 电气装置温度等级的确定是通过选择最接近但低于货物自燃温度的最大表面温度（参见21.4.9.1.1）。

21.7.9 电气装置 – 设备分类（闪点 $\leq 60^{\circ}\text{C}$ 的货物）

21.7.9.1 IEC将易燃气体中本质安全和相关电气装置分为以下几组：

I组：容易产生甲烷的矿石（IMO 不使用）；

II组：其他行业中使用的装置 – 根据最大试验安全间隙（MESG）和/或气体/蒸气的最小点燃电流（MIC）进一步细分为IIA、IIB和IIC组。

21.7.9.2 该特性无法从货物的其他相关数据中获取；必须经过测量或经过同一系列相关货物的归类来确定。

21.7.10 特殊运输控制条件

21.7.10.1 特殊运输控制条件指为避免危险反应而采取的特殊措施，包括：

- .1 抑制：加入化合物（通常为有机化合物）来延缓或阻止某些不良化学反应如腐蚀、氧化或聚合；
- .2 稳定：加入某种物质（稳定剂）来避免化合物、混合物或溶剂改变形态或化学特性。这种稳定剂可延缓反应速率、保持化学成分平衡、防止氧化、保持颜色和其他成分的乳化状态或防止胶状悬浮体中的颗粒沉淀；
- .3 惰化：在液舱的膨胀余位内加入气体（通常是氮气），以防止可燃性货物/空气混合物的产生；

4 温度控制：保持货物温度在一定范围内，以避免危险反应或者保持低粘度以便于泵系工作；

5 衬垫和通风：仅适用于特殊情况下的特殊货品。

21.7.11 易燃货物

21.7.11.1 符合以下标准的货物为易燃货物：

<u>IBC规则中的描述</u>	<u>闪点(°C)</u>
<u>高度易燃</u>	<u>< 23</u>
<u>易燃</u>	<u>≤ 60 但 ≥ 23</u>

21.7.11.2 应注意混合物和水溶剂的闪点也需测量，除非其所有成分均为非易燃物质。

21.7.11.3 应注意闪点 ≤ 60°C的液体散货的运输应遵守 SOLAS 公约的其他规定。

21.7.12 SVC/LC₅₀比率方法的应用

21.7.12.1 如果已知某一物质的蒸气压力和分子量，则可以计算出在密闭舱室（如：液舱）内的最大蒸气浓度估测值。该值被称为饱和蒸汽浓度（SVC）。

21.7.12.2 危险商数SVC/LC₅₀^①系指从液体源（例如泄露、溢出或液舱通风）形成的蒸气达到危险浓度时的速度下的物质特定值，可用于指定与吸入毒性相关的特定运输要求。

21.7.12.3 如果固体物质运输在水溶液中，计算SVC/LC₅₀比率时，应采用该固体的蒸气压力^②，而非水的蒸气压力。

21.7.12.4 采用 SVC/LC₅₀比率指定船型和舱型

21.7.12.4.1 对于如 21.4.5 和 21.4.6 中所述的船型和舱型的确定，可选择采用 SVC/LC₅₀比率法。如果使用这个方法，在计算 SVC/LC₅₀比率时，应采用 20°C时的蒸气压力。

21.7.12.4.2 物质的 SVC (mg/L) 应按下式计算：

^①ATE 值可视为等效于 LC₅₀ 值。见 21.7.1。

^②如不能提供该数据，可采用估算值。

$$SVC(mg / L) = \left(\frac{\text{Vapour pressure@20}^\circ\text{C}(Pa)}{101300(Pa)} \times 10^6 \right) \times \frac{M_w (g/mol)}{24(L / mol) \times 1000}$$

式中： M_w 为物质的分子量。

21.7.12.4.3 SVC/LC₅₀ 比率应按下式计算：

$$SVC/LC_{50} = \frac{SVC(mg/L)}{LC_{50} mg/L/4h}$$

21.7.12.5 采用 SVC/LC₅₀ 比率指定运输要求

21.7.12.5.1 对于确定 21.7.12.5.5 中所列的载运要求，可选择采用 SVC/LC₅₀ 比率法。

如果使用 SVC/LC₅₀ 比率法来确定这些运输要求，在计算 SVC/LC₅₀ 比率时，应采用 40°C 时的蒸气压力。如果运输温度高于 40°C，则应在该温度下计算 SVC/LC₅₀ 比率。

21.7.12.5.2 物质的 SVC (mg/L) 应按下式计算：

$$SVC(mg / L) = \left(\frac{\text{Vapour pressure@40}^\circ\text{C}(Pa)}{101300(Pa)} \times 10^6 \right) \times \frac{M_w (g/mol)}{26 (L / mol) \times 1000}$$

式中： M_w 为物质的分子量。

21.7.12.5.3 SVC/LC₅₀ 比率应按下式计算：

$$SVC/LC_{50} = \frac{SVC(mg/L)}{LC_{50} mg/L/4h}$$

21.7.12.5.4 21.7.12.5.2 中所述的 SVC (mg/L) 公式是用于计算 40°C 时的标准公式。如果计算时使用更高温度时的蒸气压力，应对该公式进行相应修改。

21.7.12.5.5 对于下述运输要求，可采用按 40°C 或更高温度计算的 SVC/LC₅₀ 比率法替代 21.4 和 21.5 中给出的急性吸入中毒标准：

.1 g 栏 – 液舱透气

如果吸入 LC₅₀/ATE ≤ 10 mg/L/4h (C3=2、3 或 4) 且 SVC/LC₅₀ < 0.2，仅针对吸入危险而言，不要求确定控制式透气。

.2 i 栏 – 测量

如果吸入 LC₅₀/ATE ≤ 2 mg/L/4h (C3=3 或 4) 且 SVC/LC₅₀ < 0.2，仅针

对吸入危险而言，不要求封闭式测量，但要求限制式测量。

如果 $LC_{50}/ATE > 2 \text{ mg/L/4h}$ 至 $\leq 10 \text{ mg/L/4h}$ ($C3=2$) 且 $SVC/LC_{50} < 0.2$,

仅针对吸入危险而言，不要求限制式测量。

.3 k 栏-蒸气探测

如果吸入 $LC_{50}/ATE \leq 10 \text{ mg/L/4h}$ ($C3=2、3$ 或 4) 且 $SVC/LC_{50} < 0.2$, 仅

针对吸入危险而言，不要求确定毒性蒸气探测。

.4 n 栏 - 应急设备

吸入 $LC_{50}/ATE \leq 2 \text{ mg/L/4h}$ ($C3=3$ 或 4) 且 $SVC/LC_{50} < 0.2$ 。

.5 o 栏-第 15 章中的特别要求

如果吸入 $LC_{50}/ATE \leq 2 \text{ mg/L/4h}$ ($C3=3$ 或 4) 且 $SVC/LC_{50} < 0.2$, 仅针对

吸入危险而言，不要求满足 15.2.1 和 15.12.2。

如果吸入 $LC_{50}/ATE > 2 \text{ mg/L/4h}$ 至 $\leq 10 \text{ mg/L/4h}$ ($C3=2$) 且 $SVC/LC_{50} < 0.2$,

仅针对吸入危险而言，不要求满足 15.12.3 和 15.12.4。

如果吸入 $LC_{50}/ATE \leq 0.5 \text{ mg/L/4h}$ ($C3=4$) 且 $SVC/LC_{50} < 0.2$, 仅针对吸

入危险而言，不要求满足 15.17。

如果吸入 $LC_{50}/ATE \leq 0.5 \text{ mg/L/4h}$ ($C3=4$) 且 $SVC/LC_{50} < 0.2$, 仅针对吸

入危险而言，不要求满足 15.18。

如果吸入 $LC_{50}/ATE \leq 2 \text{ mg/L/4h}$ ($C3=3$ 或 4) 且 $SVC/LC_{50} < 0.2$, 仅针对

吸入危险而言，不要求满足 15.19, 但 15.19.6 适用。

如果吸入 $LC_{50}/ATE > 2 \text{ mg/L/4h}$ 至 $\leq 10 \text{ mg/L/4h}$ ($C3=2$) 且 $SVC/LC_{50} < 0.2$,

仅针对吸入危险而言，不要求满足 15.19.6。