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2009

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IMD	NSC. 219(82)	MEPC166	56	
			CCS	CCS
		2006		11
17	18	19		

2009

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2	2
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4	5
	6
A1	6
A .	6
A . 2	6
A . 3	6
A2	7
2	7
3	8
A3	12
A4	14
.....	24
.....	24
.....	26
2	35
3	40
4	44
5	45
6	49
7	50
8	52
9	56
0	57
.....	58
2	6
3	63
4	64
5	66
6	85
7	88
8	7
9	9
20	87
2	IBC
.....	89

1

1.1

1.1.1

1.1.2

1.1.3

1.1.4

/

1.2

1.2.1 " CCS"

/

1.2.2

1.3

1.3.1 CCS

CCS

1.4

1.4.1 CCS

1

2

3

4

5 ISM
6 (ISPS)
7
8 ISO9000 ISO14000
9
10

2

2.1

2.1.1 CCS
CCS
2.1.2
1 CCS
2 CCS
3

2.2

2.2.1 CCS
CCS
2.2.2
1 CCS
2 CCS
3 CCS
4
5 CCS

2.3

2.3.1 CCS
CCS
2.3.2
1 CCS
2 CCS
3 CCS

4

3

3.1

3.1.1 CCS

3.1.2 CCS

3.1.3 CCS

CCS

CCS

3.1.4 CCS

CCS

3.1.5 CCS

3.1.6

CCS

/ CCS

CCS

CCS

/ CCS

CCS

CCS

3.1.7 CCS

CCS

CCS

3.1.8 CCS

CCS

3.1.9

CCS

CCS

CCS

3.1.10 /

CCS

3.2

3.2.1 CCS

CCS

CCS

CCS

CCS

3.2.2

CCS

3.2.3 CCS

3.3

3.3.1 CCS

CCS

3.3.2

CCS

CCS

CCS

5

200

CCS

1 CCS

2 CCS

CCS

3.3.3 CCS

6

3.3.4 CCS

3.4

3.4.1

4

4.1

4.1.1

CCS

4.2

4.2.1

CCS

1

CCS

IACS

2

IACS

IACS

3

IACS

CCS

CCS

4

A1

A1.1

A1.1.1

(IMO)

(MSC) MSC.4(48)

IBC

CCS

A1.1.2

IBC

IBC

" CCS"

A1.2

A1.2.1

IBC

A1.2.2

CCS

A2

CCS

A1.2.3

IBC

1.4

CCS

CCS

A1.2.4

CCS

A1.2.5

IBC

CCS

A1.3

A1.3.1

IBC

CCS

IBC

CCS

A2

第1节 通 则

A2.1.1

A2.1.1.1 CCS

CCS

1

A2.1.2

A2.1.2.1

1

2

第2节 入级符号与附加标志

A2.2.1

A2.2.1.1

CCS

CCS

1

A2.2.2

A2.2.2.1

A2.2.2.2

CCS

CCS

A2.2.2.3

CCS

CCS

CCS

A2.2.2.4

(1)

Chemical Tanker

CCS

2 5

73/78

I

, Oil and Chemical Tanker

Double Hull

" ESP"

(2)

①

" Chemical Tanker"

1 Type 1

2 Type 2

3 Type 3

② 1986 7 1

IMO A.212(VII)

(BCH)

" Chemical Tanker"

I Type I

II Type II

III Type III

③

XXXMPa

Maximum Pressure XXX MPa

× × ×

Maximum Temperature × × ×

× × × kg/m³

Maximum Cargo Density × × × kg/m³

④

Stainless Steel

Lined With Corrosion Resistant Lining

A2.2.2.5 A2.2.2.4

CCS

A2.2.2.6 A2.2.2.4 2

IBC

17

第 3 节 检 验

A2.3.1

A2.3.1.1

1 4

A2.3.2

A2.3.2.1

1

1 5 1 4

8

2

1 5 11 12 13

3

4

A2.3.2.2

1

1 5 5.4.2 5.8.2 5.9.2 5.10.2

a

b

c

/

a

b

c

d

e

a

b

c

a

b

a

b

c

a

b

2

A2.3.2.3

10

1 5 5.4.3 5.8.3 5.9.3 5.10.3

A2.3.2.2 1 ~ 2

11

A2.3.2.4

12

1 5 5.4.4 5.8.4 5.9.4 5.10.4

A2.3.3.3(1)

A2.3.3

A2.3.3.1

/

A2.3.3.2 CCS

A2.3.3.3

/

A2.3.1 A2.3.2.2 A2.3.2.3 A2.3.2.4 , IMO A.948(23) DI

DA Din DR

A3

A3.1

A3.1.1 CCS ()

(1)

(2)

(3) 12

(4)

(5) ()

(6) /

(7)

(8)

(9)

(10)

(11)

(12)

(13)

A3.1.2

1 IBC 17

IBC 15

2

IBC

2 4 6 7 8 9 10 11 13 14

3 IBC 2

4 IBC 3

5 IBC 5

6		IBC	12	
7	MARPOL 73/78	II	12	
8	MARPOL 73/78	II	12	
9	MARPOL 73/78	II		
10	MARPOL 73/78	II		
11		MARPOL 73/78	II	
12		MARPOL 73/78	II	
13		MARPOL 73/78	II	
14				
A3.1.3				A3.1.2

A4

A4.1

- A4.1.1 CCS
- 2 5 ,
- A4.1.2 CCS 2 2 A4.8
- A4.1.3
- A4.1.4 CCS
- A4.1.5 L CCS 2

A4.2

- A4.2.1 235 N/mm²

W₁ :

$$W_1 = \frac{235W}{\sigma_s} \text{ cm}^2 \cdot \text{m}$$

:W CCS 2 2 2.2.5.1 ,

cm²·m

σ_s ,N/mm²

- A4.2.2 ,

A4.3

- A4.3.1 90m CCS 2 2 2.2.7

0.5mm

0.5mm

A4.4

A4.4.1

CCS

2

5

3

6 2

5% 1mm,

A4.4.2

CCS

2

5

3 6 2

5%

A4.5

A4.5.1

,

A4.5.2

,

A4.5.3

,

A4.6

A4.6.1

1

2

CCS

2

2

2.6.2.1

$B/15(B, m)$,

760mm

$1.025t/m^3$,

A4.6.2

$1.025 t/m^3$

A4.6.3

$1.025 t/m^3$

83.5N/mm²

1

2

$d/2$ $d-L/40$,

d

L

A4.6.4

1/4

A4.6.5

A4.6.6

A4.7

A4.7.1

65

CCS

0

5

CCS

A4.7.2

80

A4.8

A4.8.1

A4.8.1.1

CCS

2

5

A4.8.1.2

()

0.07Mpa

A4.8.1.3

A4.8.2

A4.8.2.1

CCS

2

5

2

6

2

A4.8.2.2

1.025 t/m³ ,

()

0.02Mpa

A4.8.3

A4.8.3.1

CCS

2

6

3

5

A4.8.3.2

1.025 t/m³

()

0.02Mpa

A4.8.4

A4.8.4.1

t

:

$$t=40s \sqrt{P_v - 0.02} \quad 2.5 \text{ mm}$$

$$t=2.8s \sqrt{\rho h} + 2.5 \quad \text{mm}$$

$$t=4.5s+2.5 \quad \text{mm}$$

$$t=6.5 + \frac{L}{40} \text{ mm}, \quad 7.5\text{mm}$$

s, m;

P_v () Mpa 0.02

ρ , t/m³, 1.025;

h, m

L m

A4.8.4.2

A4.8.4.1

$$\sqrt{\frac{235}{\sigma_s}} (\sigma_s, \text{N/mm}^2, \sigma_s > 235\text{N/mm}^2, \sigma_s = 235\text{N/mm}^2)$$

1.0mm

6.5mm

A4.8.4.3

A4.8.4.1

0.5mm

6.5mm

1.5mm

A4.8.5

A4.8.5.1

CCS

2

5

6

A4.8.5.2

()

0.02Mpa

A4.8.5.3

CCS

2 5 5.1.6.1

$$\sqrt{\frac{235}{\sigma_s}} (\sigma_s$$

,N/mm²

$\sigma_s > 235\text{N/mm}^2$

$\sigma_s = 235\text{N/mm}^2$)

0.5mm

A4.8.6

A4.8.6.1

t

:

$$t=4s \sqrt{\rho h_1} \sqrt{100 P_v - 0.02} + 2.5 \text{ mm}$$

$$t=2.8s\sqrt{\rho h} + 2.5 \quad \text{mm}$$

$$t=2.9s\sqrt{2.45 + h_1} + 2.5 \quad \text{mm}$$

$$t=6.5 + \frac{L}{40} \quad \text{mm} \quad 7.5\text{mm}$$

:s ,m

ρ ,t/m³ , 1.025;

h_1 m

P_v () ,Mpa, 0.02

h ,m;

L ,m

A4.8.6.2

,

A4.8.6.1

$$\sqrt{\frac{235}{\sigma_s}} (\sigma_s \quad \text{N/mm}^2, \quad \sigma_s > 235\text{N/mm}^2 \quad ,$$

$\sigma_s = 235\text{N/mm}^2$)

(1) 0.5mm

(2) 1.0mm

6.5mm

A4.8.6.3

A4.8.6.1

(1) 0.25mm

(2) 0.5mm

6.5mm

1.5mm

A4.8.6.4

A4.8.7

A4.8.7.1 W

$$W=8.2s^2[\rho h_1+100(P_v-0.02)] \quad \text{cm}^3$$

$$W=4.1s\rho h_1^2 \quad \text{cm}^3$$

$$W=4.3s^2(2.45+h_1) \quad \text{cm}^3$$

s m

l m

ρ ,t/m³ , 1.025;

h₁ ,m;

P_v Mpa, 0.02;

h ,m

CCS 2 2 2.12.4.3

2.12.4.4

A4.8.7.2

A4.8.7.1

$$\frac{235}{\sigma_s} (\sigma_s \text{ ,N/mm}^2, \sigma_s > 235\text{N/mm}^2 \quad \sigma_s = 235\text{N/mm}^2)$$

A4.8.7.3

I

$$I = 2.3Wl \text{ cm}^4$$

W A4.8.7.1 A4.8.7.2 cm³

l A4.8.7.1

A4.8.7.4

0.5mm

A4.8.8

A4.8.8.1

:

$$d_{wt} a + \frac{b}{3} Csl^2[\rho h_1 + 100(P_v - 0.02)]$$

$$d_{wt} a + \frac{b}{3} 0.50 C_s \rho h l^2$$

$$d_{wt} a + \frac{b}{3} 0.53 Csl^2 (2.45+h_1)$$

$$d_w 40l$$

a b s d t CCS 2 2 2.12.5.1

C CCS 2 2 2.13.3.1

l m

ρ ,t/m³ , 1.025

h_1 m

P_v ()Mpa 0.02

h m

15m

A4.8.8.2

t

A4.8.6.1

a b

A4.8.6.1

s

$$t \geq \frac{a \quad b}{70}$$

a b A4.8.8.1

A4.8.8.3

A4.8.6.2

A4.8.8.4

A4.8.6.3

A4.8.9

A4.8.9.1

W

d

$$W=Csl^2[\rho h_1+100(P_v-0.02)] \quad \text{cm}^3$$

$$W=0.5 C_s \rho h l^2 \quad \text{cm}^3$$

$$W=0.53 C_s l^2 (2.45+h_1) \quad \text{cm}^3$$

$$d=40l$$

mm

C CCS 2 2 2.13.4.1

s m

l m

ρ ,t/m³ , 1.025;

h_1 m

P_v () Mpa 0.02

h ,m

A4.8.9.2 t (mm) A4.8.6.1

$$t = s/75$$

:

$$t = s/65$$

s mm

A4.8.9.3 t (mm) A (cm²)

$$t = d/85$$

$$A = 0.07W/l$$

$$t = d/75$$

$$A = 0.10 W/l$$

d m

W cm³

l m

A4.8.9.4 $0.2l(l$

m) $\frac{1}{3}$

A4.8.9.5 A4.8.9.2

$$\sqrt{\frac{235}{\sigma_s}} (\sigma_s \text{ N/mm}^2 \quad \sigma_s > 235 \text{ N/mm}^2$$

$\sigma_s = 235 \text{ N/mm}^2$) 1.0mm 6.5mm

A4.8.9.6

A4.8.9.2 0.5mm 6.5mm

1.5mm

A4.8.10

A4.8.10.1 W

$$W = 12bl^2 [\rho h_1 + 100(P_v - 0.02)] \text{ cm}^3$$

$$W=6b \rho h l^2 \quad \text{cm}^3$$

$$W=6.3 b l^2 (2.45+h_1) \quad \text{cm}^3$$

$$b \quad \text{m}$$

$$l \quad \text{m}$$

$$\rho \quad ,\text{t/m}^3, \quad 1.025$$

$$h_1 \quad \text{m}$$

$$P_v \quad (\quad) \text{ Mpa} \quad 0.02$$

$$h \quad \text{m}$$

$$\text{A4.8.10.2} \quad I$$

$$I=2.5Wl^2$$

$$W \quad l \quad \text{A4.8.10.1}$$

$$\text{A4.8.10.3} \quad \text{CCS}$$

$$2 \quad 5 \quad 5.1.6. \quad \sqrt{\frac{235}{\sigma_s}} \quad (\sigma_s \quad ,\text{N/mm}^2, \quad \sigma_s > 235\text{N/}$$

$$\text{mm}^2 \quad \sigma_s = 235\text{N/mm}^2) \quad 0.5\text{mm}$$

$$\text{A4.8.11}$$

$$\text{A4.8.11.1} \quad t$$

$$t=4s \sqrt{\rho h_1 + 100(P_v - 0.02)} + 2.5 \quad \text{mm}$$

$$t=2.8s \sqrt{\rho h} + 2.5 \quad \text{mm}$$

$$t=2.9s \sqrt{2.45 + h_1} + 2.5 \quad \text{mm}$$

$$t=6.5 + \frac{L}{40} \quad \text{mm}$$

$$s \quad \text{m}$$

$$\rho \quad ,\text{t/m}^3, \quad 1.025;$$

$$h_1 \quad \text{m}$$

$$P_v \quad (\quad), \text{ Mpa}, \quad 0.02$$

$$h \quad \text{m}$$

$$L \quad \text{m}$$

A4.8.11.2

A4.8.11.1

$$\sqrt{\frac{235}{\sigma_s}} (\sigma_s)$$

N/mm²

$\sigma_s > 235 \text{ N/mm}^2$,

$\sigma_s = 235 \text{ N/mm}^2$)

1.0mm

7mm

A4.8.11.3

A4.8.11.1

0.5mm

7mm

2mm

A4.8.12

A4.8.12.1

W

CCS

2 2

$$W = 8.2st^2[\rho h_1 + 100(P_v - 0.02)] \text{ cm}^3$$

$$W = 4.1s\rho hl^2 \text{ cm}^3$$

$$W = 4.3st^2(2.45 + h_1) \text{ cm}^3$$

s m

l ,m;

ρ ,t/m³, 1.025

*h*₁ m

*P*_v Mpa 0.02

h ,m

A4.8.13

A4.8.13.1

(1)

(2) (65)

A4.8.13.2

235N/mm²

1

17

()

2

3

4

1974

SOLAS

VIII

1978

1973

MARPOL73/78

16

5

6

(IACS)

(IEC)

7

16

8

(IGC)

IGC

9

1998

MSC.4(48)

1973

15

22

MEPC.19(22)

IBC

MARPOL73/78

10

1	MSC.10(54)	1987	4	29	1998	4	29	1988	10	30
2	MSC.14(57)	1989	4	11	1990	4	12	1990	10	13
	MEPC.32(27)	1989	3	17	1990	4	12	1990	10	13
3	MSC.28(61)	1992	12	11	1994	1	1	1994	7	1
	MEPC.55(33)	1992	10	30	1994	1	1	1994	7	1
4	MSC.50(66)	1996	6	4	1998	1	1	1998	7	1
	MEPC.69(38)	1996	7	10	1998	1	1	1998	7	1
5	MSC.58(67)	1996	12	5	1998	1	1	1998	7	1
	MEPC.73(39)	1997	3	10	1998	1	10	1998	7	10
6	MSC.102(73)	2000	12	5	2002	1	1	2002	7	1
7	MSC.176(79)	2004	12	9	2006	7	1	2007	1	1
	MEPC.119(52)	2004	10	15	2006	7	1	2007	1	1
8	MSC.219(82)	2006	12	8	2008	7	1	2009	1	1
	MEPC.166(56)	2007	7	13	2008	7	1	2009	1	1

11 1974

(SOLAS74)1983

(1986 7 1) MARPOL73/78

1987 4 6

SOLAS 74 VIII

MARPOL 73/78 16

1

1.1

1.1.1 500 NLS

.1

.2

18

1.1.2 37.8°C 0.28MPa

1.1.2A SOLAS 74 17 d “S”

“S/P”

1.1.2B MARPOL 73/78 MARPOL 73/78 II 1.16.2 NLS

17 C “X Y Z”

1.1.3 17 18

MARPOL73/78 II 6.3

1.1.4 1986 7 1

.1

.2 50t 1

1.1.5 1986 7 1

MARPOL73/78 II 1.14

1.1.6

CCS1.1.a 就入级而言，本规范适用于拟从事散装运输《IBC 规则》第 17 章和第 18 章所列的液体货物的海船的布置和尺寸。

CCS1.1.b 拟运输液化石油气或液化天然气的化学品船，还应符合 CCS《散装运输液化气体船舶构造与设备规范》。

1.2

1.2.1 / /

1.2.2

.1

.2

	LD ₅₀	50
	LD ₅₀	50
LC ₅₀		50

.3

1.2.3

.1

.2

.3

.4

1.2.4

.1

.2

.3

.4

.5

.6

1.3

()

CCS1.3.a **适装证书**: 系指《IBC 规则》规定的国际散装运输危险化学品适装证书。

1.3.1

1.3.2

1.3.3

1.3.4 “ ”

1.3.5

1.3.6 **(B)**

(B) m

1.3.7

1.3.8

1.3.9

2m²

1.3.10

1.3.11

17

1.3.12

1.3.13

CCS1.3.b **货物控制站:** 系指控制货物操作的处所。

1.3.14

/ /

-

1.3.15

“ ”

1.3.16

1.3.17

1.3.18

(L)

85

96

(L) m

1.3.19 A

.1

.2

375kW

.3

1.3.20

A

1.3.21 **MARPOL**

1978

1973

1.3.22 IBC 17 18 MEPC.2/Circular
MARPOL II 6.3 X Y Z

1.3.23

0.18MPa()

1.3.24 (IMO)

1.3.25

1.3.26

1.3.27

1.3.28 (kg/m³)

1.3.29

1.3.30

1.3.31 SOLAS 1974

1.3.32 17

1.3.33

1.3.34 Pa

1.3.35

1.3.36

1.4

1.4.1

1.4.2

MARPOL 73/78

1.5

CCS1.5.a 本条所述的检验和发证是 IBC 规则规定的检验和发证, 不属于入级的要求, 但是法定证书的有效性将影响船级证书的签发。货物适装证书的签发根据船旗国政府授权的要求, 并根据《IBC 规则》和船旗国政府的有关要求进行。

1.5.1

1.5.1.1

1.5.1.1A MARPOL II 8.2.1 A.739(18)

A.789(19)

MARPOL 16 SOLAS VIII

1.5.1.2

1.

2.

1.5.1.3

“

”

1.5.1.4

1.5.2

1.5.2.1

(“ ” “

” “ ” “ ”)

.1 1 “ ”

.2 5 1.5.6.2.2 1.5.6.5 1.5.6.6
1.5.6.7

.3 2 3 3
3 1.5.2.1.4 1

1.5.4 1.5.5

.4 3 1.5.2.1.1
1.5.3

1.5.4 1.5.5

.5 1.5.3.3

1.5.3

1.5.3.1

1.5.3.2 1.5.2

1.5.3.3

1.5.2.1.5

1.5.4

1.5.4.1

1.5.4.2

1.5.4.3

1.5.4.4

1.5.5

1.5.5.1 SOLAS 74

MARPOL 73/78

1.5.6

1.5.6.1 5

1.5.6.2.1 1.5.6.1 3

5

1.5.6.2.2

5

1.5.6.2.3 3

5

1.5.6.3 5 1.5.6.1

1.5.2.1.3 1.5.2.1.4 5

1.5.6.4

5

1.5.6.5

3

5

1.5.6.6

1

5

1.5.6.7 1.5.6.2.2 1.5.6.5 1.5.6.6

5

1.5.6.8

1.5.2

.1

3

.2 1.5.2

.3 1

()

1.5.2

1.5.6.9

1.5.4

1.5.5

.1 1.5.2

.2 1.5.2.1.3 1.5.2.1.4

.3

1.5.3.1 1.5.3.2

SOLAS74

MARPOL73/78

3

()

2

CCS2.0.a 本章涉及船舶残存能力和液货舱位置的要求，作为 CCS 的入级条件，以船旗国主管机关的要求为基础。

2.1

2.1.1

2.1.2

.1 1 17

.2 2 17

.3 3 17

1

2 3

1

2.1.3 17 “e”

2.1.4 17

2.2

2.2.1

2.2.2 CCS

2.2.3 1 1

“

”

CCS

2.2.4

2.2.5 1

2.3

2.3.1

.1 1

.2 0.01L 2

2.3.2 “ ” “ ”

2.3.3 2.3.1.1 2.3.1.2 2.9

2.4

2.4.1 CCS

2.5

2.5.1

.1			
.1.1		$L^2/3 = 14.5m$	
.1.2		$B = 5 = 11.5m$ ()	
		()	
.2		0.3L	
.2.1		$L^{2/3}/3 = 14.5m$	$L^{2/3}/3 = 5m$
.2.2		$B = 6 = 10m$	$B = 6 = 5m$
.2.3		$B = 15 = 6m$ (2.6.2)	$B = 15 = 6m$ (2.6.2)

2.5.2

2.5.1

2.6

2.6.1

.1 1

2.5.1.1.2

2.5.1.2.3

760mm

.2 2

2.5.1.2.3

760mm

.3 3

2.6.2 1

2.5.1.2.3

25 350mm,

350mm

2.7

2.7.1 2.9

2.7.2

	0.60
	0.95
	0.85
	0.95
	0 0.95
	0 0.95 ^①

2.7.3

2.7.4 2.5.1

2.8.1

2.5.2

2.7.5

2.7.6

2.9

2.7.7

2.5

2.7.8

. 1

2.9.3

. 2

2.9

2.8

2.8.1

2.7

2.5

.1 1

.2 150 m 2

.3 150m 2

.4 225m 3

.5 125m 225m 3

.6 125m 3 ,

2.8.2 2.8.1.3 2.8.1.6 2 3

CCS

1.5.4

2.9

2.9.1 2.8 2.5

2.9.2

.1

.2

25°

30°

.3

CCS

2.9.3

2.9.3

.1

20°

20°

0.1m

0.0175m·rad

2.9.2.1

.2

3

3.1

3.1.1

CCS3.1.a 液货舱与非危险处所之间的分隔，如构成角对角连接时(线状和角状连接)，可在折角或顶角处采用加装斜板以构成隔离。其结构尺寸及有关试验应满足 CCS《钢质海船入级规范》对隔离舱壁的要求。

3.1.2

.1

.2

.3

CCS3.1.b 除非装载方案已特别提供对货物相容性的考虑，满足 3.1.2 的要求应是操作者的责任。

3.1.3

3.1.4

.1

.2

"

3.1.5

3.2

3.2.1

SOLAS II-2 4.5.1 4.5.2.4

3.2.2

3.2.3

/

(L) 4

3m

5m

“A-60”

()

1

CCS3.2.a 上述 3.2.3 中所述设有门的处所(诸如货物控制站和储藏室), 应按照第 12 章的要求设置机械通风以满足设计的用途。应张贴须知和告知人员进入该处所前进行除气。

3.3

3.3.1

.1

.2

3.3.2

3.3.3

3.3.4

3.3.5

CCS3.3.a 货泵舱舱底水系统的所有截止阀应在货泵舱外给予操作。

3.3.6

3.3.7

3.4

3.4.1

CCS3.4.a 所有构成与液货舱或污液舱有相邻限界的隔离舱、双层底舱应设有 2 个从开敞甲板的进出口, 且两个进出口应尽量远离。由于操作目的而通常要求从管隧或箱形龙骨进入的, 则应在管隧或箱形龙骨上不超过 60m 距离设置进出口。在任何情况下, 管隧或箱形龙骨的两端应设有进出口。

3.4.2

600mm×600mm

3.4.3

600mm×800mm

600mm

3.4.4

CCS

CCS

3.5

3.5.1

3.5.2

3.5.3

3.6

3.6.1

3.7

3.7.1

3.7.2

1

CCS

15.12.1

3.7.3 5.1

.1

760mm

1

.2

1

1

.3

.4 3.7.3.1

.5

CCS

.6

3.7.4

4

3m

5m

()

3.2.3

CCS

3.7.5

3.7.4

3.7.6

3.7.7

3m

3.7.7

3.7.8

3.7.7

3m

10

3.7.9

11.3.16

3.7.10

4.1

4.1.1

()

CCS4.1.a 独立液货舱结构尺寸和布置应根据 CCS《散装运输液化气体船舶构造与设备规范》中的有关标准并考虑货物的密度。

CCS4.1.b 独立液货舱结构尺寸也可根据 CCS《钢质海船入级规范》中有关压力容器的要求进行设计。CCS 接受按照公认的标准设计的独立液货舱。

CCS4.1.c 独立液货舱设计时应考虑船舶营运中液货舱的最大压力、货物密度、晃动载荷和船舶运动引起的动载荷对结构尺寸、支承结构和止动结构的影响，有关的计算应提供给 CCS 批准。因此，可参照 CCS《散装运输液化气体船舶构造与设备规范》中的适用部分。

CCS4.1.d 如独立液货舱拟承运高温货物，液货舱的支承和止动应考虑液货舱向各方向的膨胀和消除热应力向船体结构传递的热桥。

CCS4.1.e 液货舱的所有开口应布置在液货舱顶部并延伸至开敞甲板以上，并提供从开敞甲板直接进入通道装置，而此装置应保持货舱围板与甲板的水密性。

4.1.2

CCS4.1.f 整体液货舱结构尺寸及布置应满足本规范第 A4 章的要求。

4.1.3 0.07MPa()

4.1.4 0.07MPa()

4.2

4.2.1 17 “F”

5.1

5.1.1 5.1.4 t

$$t = \frac{t_o + b + c}{1 - \frac{a}{100}} \quad \text{mm}$$

t_o — mm

$$t_o = (PD) / (2Ke + P) \quad \text{mm}$$

P — 5.1.2 MPa

D — mm

K — 5.1.5 N/mm²

e —

e 1.0

e 1.0

b — mm b

b

$$b = (Dt_o) / 2.5R \quad \text{mm}$$

R — mm

c — mm

a — %

5.1.2 5.1.1 t_o P P

5.1.3

.1 45°C

.2

.3

5.1.4 1MPa()

0.5MPa()

5.1.5 5.1.1 t_o

R_m/A R_e/B

R_m — N/mm²

R_e — N/mm² -

0.2% ($\sigma_{0.2}$)

A 2.7 B 1.8

5.1.6.1

5.1.6.2

5.1.1

5.1.6.3

5.1.2

5.1.6.4

CCS

5.2

5.2.1

5.2.2

.1

.2

5.2.3

.1

.2

50mm

.3

25mm

5.2.4

.1

.2

5.2.5

5.3

5.3.1

50mm

5.3.2

5.4

5.4.1

5.4.2

1.5

1.5

5.4.3

5.5

5.5.1

(2.6)

5.5.2

.1

.2

.3

.4

.5

5.5.3

1

1

1

5.5.4

5.5.1

5.5.2

5.5.5

5.6

5.6.1

.1

1

.2

1

.3

5.6.2

CCS 5.6. a 应为每一液货舱提供备用卸货设施，以便在主用的货物操作装置发生故障时使用。但是，对液货舱已有 1 台以上货泵者除外。

5.6.3

17

“o”

5.7

5.7.1

CCS. 5.7. a 货物软管的详细性能连同授权机构签发的型式试验证书应提交。

5.7.2

5

5.7.3 2002 7 1

0

2

200

5

1.5

2/5

1MPa()

6

6.1

6.2

/

6.3

.1

.2

.3

6.4

/

.1

/

.2

6.5

IMO

6.1

BLG

15

17

“o”

7.1

7.1.1

CCS

CCS7.1.a 当载运货物要求按第 17 章表“o”栏内要求温度控制，货物温度控制系统应符合 CCS 船级附加标志的有关规定。

CCS7.1.b 货物加热系统或冷却系统必须有足够的能量，确保液货舱在下述环境条件下维持装载温度：

	加热系统	冷却系统
海水温度	0℃	32℃
空气温度	5℃	45℃

CCS7.1.c 要求设有货物加热系统或冷却系统的每 1 液货舱应不少于 2 套独立的循环盘管或导管，每套的最小能量应确保任 1 套循环发生故障时仍能维持货物不发生危险变化要求的最小加热或冷却总量的要求，且循环应布置成能加热或冷却整个货物。

CCS7.1.d 如加热系统或冷却系统只有一种介质时，甲板上的加热和冷却介质管路不需要设 2 套。

CCS7.1.e 货物加热系统应有 2 套独立的供应热能源，可以是锅炉或其他装置，如热风器或空气加热器。每 1 套热能源应符合维持所载货物不发生危险变化的最低要求。

CCS7.1.f 热交换器(如设有)应有 2 套。

CCS7.1.g 货物循环泵和加热或冷却介质泵(如设有时)应有 2 套。货泵可以用作货物循环的目的。

CCS7.1.h 所有机械或循环双套间应有隔离设施，且不应影响系统运行。

7.1.2

(15.13.6)

7.1.3

7.1.4

()

7.1.5

.1 17 “j”

.2 13.1.1.2

.3

13.1.1.3

.4

(16.6)

CCS7.1.i 每一整体液货舱的温度测量位置应能测到可靠的货物平均温度,如液货舱的边界温度受到限制也应设置能提供这些温度的设施。

CCS7.1.j 对于过氧化氢溶液(联合国编号 2015)和硝酸胺溶液,要求每一液货舱至少设置不少于 5 个温度测量点。在液货舱全深和水平范围内分别布置,其中 1 个应尽量在液货舱容积的中央。

CCS7.1.k 整体液货舱载运货物的温度能影响到钢构件时,要求设置温度测量设施和报警设施。

CCS7.1.l 独立液货舱载运需要加热或冷却货物,至少应设有两个测温点分布在 60%舱深处。

CCS7.1.m 所有形式的液货舱载运需要加热或冷却的货物,应设有温度测量或等效设施。

CCS7.1.n 闭式温度测量系统,所有传感器应连接 1 个指示器/记录器,还应提供至备用指示器/记录器。作为代替,每一舱的每 1 测温点至少应提供给 2 个指示器/记录器,大约一半的传感器应固定连接。

CCS7.1.o 液货舱主要采用限制式温度测量装置。每一液货舱至少有 1 个能在海上航行中得到计数的闭式测量装置。

7.1.6 17 “o” 15.12 15.12.1 15.12.3

.1

.2

.3

CCS7.1.p 取样设备可以是便携式的也可以是固定式的。

7.2

7.2.1 15 17 “o”

8

8.1

8.1.1				1994	1	1				
8.1.2	1994	1	1							8
8.1.3			"		"			SOLAS 74	II-1	1.3.1
8.1.4	1986	7	1		1994	1	1			
				SOLAS	II-2/4.5.3	4.5.6	4.5.8	4.5.10	11.6	
8.1.5								SOLAS	II-2/4.5.3	4.5.6
8.1.6		1986	7	1		2002	7	1		8.3.3

8.2

8.2.1

8.2.2

8.2.3

15.19

CCS8.2.a 液货舱的溢流控制装置应独立于液货舱的测量装置。

8.2.4

.1

.2

1.25

.3

.4

.5

8.2.5

8.2.6

8.3

8.3.1 ()

8.3.2

8.3.6

8.3.3

8.3.4

.1 6m 4m 6m

.2 10m

CCS8.3.a 在货物/压载操作期间有大量货物蒸气、空气或惰性气体与货物蒸气混合气体排出口的半径 6m 范围内的电气设备应采用合格防爆型,而在 6m 至 10m 范围内应采用无火花型电气设备(参见 IEC(60079-15))。

CCS8.3.b 上述 CCS8.3.a 区域外 4m 范围内应采用 CCS 接受的标准^①规定的无火花型电气设备。

8.3.5 30m s

8.3.4.1 3m

8.3.6 60°C()

CCS

IMO

8.3.7

8.3.8 8.3.1 8.3.2

8.4

17 “g” “o” ()

8.5

8.5.1

.1 8.3.4 8.3.5

.2 2m 30m s

.3 2m 20m s

30

8.5.2 8.5.1.2 8.5.1.3

8.5.3 8.5.1 8.5.1.2 8.5.1.3

.1

.2

.3

.4

.5 ()

.6

9.1

9.1.1

9.1.2

4

.1

15

.2

.3

-40°C

.4

9.1.3

.1

.2

0.007MPa()

.3

.1 .2

.4

.5

CCS9.1.a 惰性气体系统应尽实际可能符合 IMO 以 A.567(14)大会决议通过的《化学品船惰性气体系统规则》。

9.1.4

9.1.3

9.2

17

“h”

10.1

10.1.1 SOLAS II-1 D

10.1.2.1

10.1.2.2

10.1.3 CCS

10.1.4 CCS

CCS

10.1.5 CCS

17 “i”

CCS10.1.a 危险区域内电气设备的安装参照国际电工委员会出版的标准 IEC 60092-502。

CCS10.1.b 若电气设备应是“安全型设备”的，则应被证明其适合在含有易燃气体/蒸气环境下使用的“合格安全型设备”。并符合如下要求：

- (1) 其构造和型式试验应符合 CCS 接受的有关标准[®]的规定；
- (2) 具有 10.1.5 要求的防爆合格证。

10.1.6 60°C

60°C

CCS10.1.c 对闪点超过 60°C 的加热货物，可参照国际电工委员会出版的标准 IEC 60092-502。

10.2**10.3**

17 “i”

CCS11.0.a 本章所涉及的防火和灭火要求，作为 CCS 的入级条件，以船旗国主管机关的要求为基础。

11.1

11.1.1 SOLAS II-2

500

.1 4.5.5 10.8 10.9

.2 4.5.1.2()

.3 10.2 10.4 10.5 2000

.4 10.5.6 2,000

.5 11.3 10.8

.6 11.2 10.9

.7 4.5.10 500 “ ” “ ”

.8 13.3.4 13.4.3 500

11.1.2 11.1.1 (“i” NF)

SOLAS II-2 10.7 SOLAS II-2

11.2 11.3

11.1.3 60°C (“i” “yes”)

SOLAS II-2 1.6.4 SOLAS II-2

11.1.4 SOLAS II-2/1.6.7 II-2/4.5.10.1.1 II-2/4.5.10.1.4

2009 1 1 500

2009 1 1 , 2012 1 1

10%

30%

11.2

11.2.1 SOLAS II-2/10.9.1.1

II-2/10.9.1.1.1

/

45%

11.2.2

CCS

11.2.3

11.3

11.3.1

11.3.2

11.3.12

11.3.2

11.3.3

11.3.4

11.3.5

.1

2 l/min

.2

20 l/min

.3

10 l/min

1250 l/min

4000

CCS11.3.a 对于 4000 载重吨以下的船舶, 泡沫炮的最小排量应为 1000 l/min, 供给速率至少为每平方 10 l/min。

11.3.6

11.3.5.1

11.3.5.2

11.3.5.3

30min

11.3.7

11.3.5.1

11.3.5.2

50%

10 l min

1250 l/min

4000

CCS

CCS11.3.b 对于 4000 载重吨以下的船舶，泡沫炮的最小排量应为 1000 l/min，供给速率至少为每平方 10 l/min。

11.3.8 75%

11.3.9

11.3.10

400 l/min

15m

4

11.3.11

11.3.12

CCS11.3.c 应能在船舶全长范围内的甲板上的起居处所、服务处所、控制室和机器处所同时使用最低所需数量的水枪。

11.3.13 CCS

11.3.14

CCS11.3.d 手提式灭火器的排量应满足经修订的 SOLAS 74 的相应规定。

11.3.15 10.1.4

11.3.16 1 11.3.7 1 11.3.10

11.4

11.4.1 17 “1”

			SOLAS	II-2/4.5.2.6	4.5.4	
	11.1.2	11.1.3	15.17			SOLAS
II-2/4.5.2.6	4.5.4					

12.1

12.1.1

12.1.2

12.1.3

()

30

15.17

12.1.4

12.1.5

10m

12.1.6

12.1.7

12.1.8

10

.1

.2

.3

.4 13mm

12.1.9

12.1.10

,

13mm²

12.2

12.1.1

12.1.3

20

12.3

8

16

12.1.8

13.1

13.1.1

.1

.2

()

.3

13.1.2

15.19

13.1.3

.1

.2

13.1.4

17

“j”

13.2

13.2.1

/

2

2

13.2.2

1

1

13.2.3

17

“ k”

CCS

“

”

CCS

“

”

14.2.4

16.4.2.2

13.2.4

17

“k”

CCS14. 0. a 本章所涉及的人员保护要求，作为 CCS 的入级条件，以船旗国主管机关的要求为基础。

14.1

14.1.1

/

14.1.2

CCS

14.1.3

14.2

14.2.1 17 “o” 15.12 15.12.1 15.12.3

3

20min

SOLAS

II-2/10.10

14.2.2 1

.1 1 ()

.2

.3

.4

14.2.3 14.2.1

.1 1

.2 1

.3 1

.4 SOLAS II-2/10.10

6000L

14.2.4 15.18 17 "k"

.1 14.2.1

2

1h

.2

14.2.5 1 14.2.2

14.2.6

1

1

14.3

14.3.1 17 "n" "Yes"

.1

.2

15min

.3

14.3.2

14.3.3

14.3.4

15.1

15.1.1 17 " o"

15.2 (93%)

15.2.1 7% 10 1

(pH) 5.0 7.0 10ppm

CCS.15.2.a 该液体的装运应采用外部绝热的独立液货舱，其支承和锁固应允许在所有方向上自由膨胀，并消除可能将热应力传递到船体上的热桥。

15.2.2

()

15.2.3

15.2.4

140 160 145 150 125
160

15.2.5

145 10 1
(pH) (pH) 24h
(pH) 4.2 (pH) 5.0

15.2.6

1000t
300kg

CCS15.2.b 将氨注入货物中，可在货物通过货泵进行循环状态下，将氨气注入循环的货物中。

15.2.7

CCS15.2.c 离心泵的密封应为带有套环的填料函。淡水通过压力注入到套环的填料函中。

15.2.8

15.2.9

15.3

15.3.1

15.3.2

CCS15.3.a 此甲板应为露天甲板，通常为干舷甲板。

15.3.3

15.3.4

15.3.5

15.3.6

80

15.3.7

15.3.8

15.3.9

15.3.10

15.3.11 0.06MPa()

15.3.12

15.3.13

15.3.14

15.3.15 2 ()

0.01 0.02MPa() /

15.3.16

15.3.17

15.3.18

80

15.3.19

15.3.20

15.3.21

10 l/m²/min

1

15.3.22 (R)

98

15.3.23 (L)

$$V_L = 0.98V \frac{\rho_R}{\rho_L}$$

V

ρ_R (R)

ρ_L

R

15.3.24

15.3.25

3m

17 " i "

80

15.3.26

15.3.27

CCS

15.4

15.4.1

15.4.2 0.02MPa()

15.4.3

15.4.4

15.4.5

15.4.6

15.5

60% 70%

15.5.1 60% 70%

CCS15.5.a 货物应装载于与主船体结构隔离的液货舱，该液货舱不应有内部支承构件和不规则重要构件。

CCS15.5.b 所有开口应位于干舷甲板以上的液货舱顶部。

15.5.2 (99.5%) (304L 316 316L 316Ti)

CCS15.5.c 钝化程序的详细程序资料应提交审核。

15.5.3

15.5.4

15.5.5

15.5.6

35

15.5.7 ()

(

)

30%

CCS15.5.d 由于过氧化氢溶液是不加热货物，通常液货舱内不应装有加热系统，如果设有加热系统，则应设置检漏设施。

15.5.8

5h

2

40

15.5.9

/

CCS15.5.e 安全隔断薄膜的计算应提交。

CCS15.5.f 安全隔断薄膜,应给它保护以防止天气和采取措施不阻碍蒸气散发。

CCS15.5.g 指定装载过氧化氢的货物的液货舱甲板区域端部，应布置适当的横向挡板以限制甲板洒水保护区域的溢流。

CCS15.5.h 船东或船舶建造者应提交根据最大装货速率预计溢流数和溢流柜尺寸应估算。

15.5.10

/

.1

5min

35%

.2

/

15.5.11

15.5.12

25

1%

15.5.13

8%

60%

15.5.14

15.5.15

MSC/Circ. 394

CCS

. 1

. 2

MSC/Circ. 394

. 3

15. 5. 16 (99. 5%) (304 304L 316 316L 316Ti)

15. 5. 17

15. 5. 18

35

15. 5. 19

()

()

30%

15. 5. 20

5h

2

40

15. 5. 21

/

(15. 5. 20)

CCS. 15. 5. i 应急透气装置和计算应提交审核。

15. 5. 22

/

. 1

5min

35%

. 2

/

.5 10%-35% 8

24h

.6 pH

.7

.8

15.5.27.10

.1

.2 7% 15min 20min
0.4-0.5% 12h

.3 30% 35%

.4 16 24h pH

.5 3%

24h

15.5.27.11

15.5.27.12

15.5.27.13 15min

15.5.27.14 15.5.27.10

15.5.27.15 15.5.27.2 15.5.27.8 15.5.27.9 15.5.27.15

15.5.27.16

.1

.2

.3

15.5.27.16 .1 .3

15.5.27.16 .3

1

2 15.5.27.9.5 15.5.27.10.2 15.5.27.10.4

15.6 ()

15.6.1

15.6.2 15.18

15.17

15.6.3 CCS

15.6.4

CCS.15.6.a 上述货泵舱或留空处所入口处应张贴安全注意事项。

15.7 ()

15.7.1

760mm

CCS.15.7.a 该溶液应装运在外部绝热的独立液货舱,其支承和锁固应允许所有方向自由膨胀及消除可能传递到船体引起的热应力的热桥。液货舱可用低碳钢制造,并考虑液货舱、支承和锁固在营运中所经受的动负荷。应提交相关计算书。

15.7.2

2.4m

15.7.3

15.7.4 1%

6m

2m

15.7.5

CCS. 15. 7. b 液货舱范围上部材料应采用抗磷酸的材料。

15. 7. 6 60

15. 7. 7 60

15. 7. 8 CCS

15. 7. 9 15. 7. 8

15. 7. 10

15. 7. 11

CCS. 15. 7. c 在驾驶室和货物控制站应张贴在货物操作期间甲板上水龙头应与水源连接的告示。

15. 7. 12 CCS

15. 8 / 30%

15. 8. 1

15. 8. 2

. 1 ()

. 2 ()

. 3 ()

. 4 ()

. 5 ()

. 6

. 7

. 8

15. 8. 3

/

15. 8. 4

15.8.5

15.8.6

15.8.7

15.8.8

11%

15.8.9

(PTFE)

15.8.10

15.8.11

CCS

.1 ()

.2

.3

15.8.12

15.8.13

100mm

15.8.14.1

15.8.14.2

15.8.14.3

0.007MPa

15.8.15

15.8.16

15.8.17

" "

15.8.18

(15.8.2)

2%

15.8.19

15.8.20

15.8.21

/

15.8.22.1

0.06MPa

/

0.12MPa

15.8.22.2

0.06MPa()

CCS

15.8.23.1

15.8.23.2

3

2

15.8.23.3

15.8.23.4

15.8.24

0.02MPa

0.7MPa

/

0.53MPa

15.8.25.1

(3.1.4

)

(1.3.17)

15.8.25.2

CCS

15.8.25.3

15.8.26.1

98%

15.8.26.2

V_L

$$V_L = 0.98V \frac{\rho_R}{\rho_L}$$

V_L —

V —

ρ_R — (R)

ρ_L —

15.8.26.3

CCS

15.8.27

0.007MPa

(99.9%)

" "

15.8.28

2%

15.8.29

10 //min

15.8.30

15.9 50%

15.9.1

15.9.2

15.10

15.10.1

1.85%

15.10.2

15.10.3

15.10.4

15.10.5

15.10.6

155

CCS.15.10.a 液态硫的装运应采用外部绝缘的独立液货舱，其支承和锁固应允许在所有方向上自由膨胀，并消除可能将热应力传递到船体的热桥。

CCS.15.10.b 液货舱的舱顶内部布置应尽量减少有害蒸气气泡的聚集。应设置气室，以确保当满载时液体硫保持在气室内。

CCS.15.10.c 考虑到液态硫的相对密度较高，船体布置可能要求加2道纵舱壁以保证强度要求。

15.10.7

60

15.11

15.11.1

15.11.2

CCS

CCS15.11.a 根据货物化学分析、材料性质、操作经验和/或试验考虑敷设衬里。

CCS15.11.b 拟采用的衬里材料、应用程序、应用后的处理和使用记录的全部细节应提交。液货舱内表面应光滑无障碍，转角处的布置处应适于敷设衬里。

CCS15.11.c 对于采用高标准材料和工艺应予以注意，以确保应用无误。

CCS15.11.d 当与船舶寿命相协调的确定的腐蚀率得不到时，应采用合适的抗腐材料，而材料的适用

性和级别应由材料制造厂确认符合货物的要求。

15.11.3

15.11.4

15.11.5

10.1.4

()

15.11.6

3.1.1

15.11.7

15.11.8

15.12

15.12.1

.1

B/3 6m

.2

6m

6m

.3

15m

.4

30m/s

3m

15.12.2

CCS. 15.12. a 蒸气回路系统管路应设置截止阀和盲断法兰，盲断法兰的厚度应不小于该管路中其他连接法兰的厚度。

15.12.3

.1

.2

.3

15.12.4

0.02MPa

15.13

15.13.1 17 " o"

15.13.2

15.13.3

.1

.2

.3

.4

.5

15.13.4

9.1.3

15.13.5

3000m³

SCLAS 2

15.13.6

15.13.7

15.14 37.8

0.1013MPa

15.14.1 17 " o"

45

45

15.14.2

15.14.3

CCS

()

15.14.4

CCS. 15.14. a 蒸气回路系统管路应设置截止阀和盲断法兰、盲断法兰的厚度应不小于该管路中其他连接法兰的厚度。

15.14.5 1

15.14.6

15.14.7.1 (R) 98%

15.14.7.2 V_L

$$V_L = 0.98V \frac{\rho_R}{\rho_L}$$

V —

ρ_R — (R)

ρ_L —

15.14.7.3 CCS

15.15 []

15.16

15.16.1

15.16.2 17 " o"

.1 / 2m

.2 7

.3

.4

15.17

15.17.1

12.1.3

45

10m

4m

15.18

15.18.1

CCS

15.19

15.19.1 17 " 0"

15.19.2

15.19.3

15.19.4

15.19.5 15.19.6

15.19.7

13.1

15.19.6

15.19.1 15.19.5

15.19.7

.1

.2

.3

CCS

15.19.8

LR

$$LR = \frac{3600 U}{t} \quad (\text{m}^3/\text{h})$$

U —

m^3

t —

s

15. 20 (C7—C9)

15. 20. 1 100

15. 20. 2

. 1

. 2

100

650 (1200° F)

1. 5 /h

15. 21

15.21.1

16

CCS16.0.a 本章所涉及的操作性要求、培训要求或国家政府要求，不作为 CCS 入级要求。当由 CCS 签发适装证书时，本章规定以及船旗国主管机关的其他相关要求才适用。

16.1

16.1.1	1	1250m ³
16.1.2	2	3000m ³
16.1.3		

16.2

16.2.1		
16.2.2	17 18	MEPC.2/Circ.

1

16.2.3

.1

.2

.3

.4

.5

.6

16.2.4

16.2.5

16.2.6	17	“o”	20°C
	20°C	50mPa.s	50mPa.s

16.2.7

16.2.8

16.2.9 17 “o”

16.3

16.3.1

16.3.2

16.3.3

16.4

16.4.1

16.4.2

.1

.2

16.4.3

16.5

16.5.1

16.5.2

.1

.2

.3

16.5.3

16.5.4

1995	1978	"	V/1	STCW	A	V/1	15	21	V/2	"
STCW	A	B	(MFAG)							

16.6

16.6.1

(7.1.5.4)

16.6.2

16.6.3

16.6.4

MARPOL II 6.3
(n. o. s)

(a)

(b)

X,Y Z

(c)

S

(d)

P

S/P

(e)

1: 1 2.1.2.1
2: 2 2.1.2.2
3: 3 2.1.2.3

(f)

1: 4.1.1
2: 4.1.2
G: 4.1.3
P: 4.1.4

(g)

Cont.

Open

Inert 9.1.2.1

(h)

Pad 9.1.2.2

Dry 9.1.2.3

Vent 9.1.2.4

No

(i') T1 T6

-

(i)

(i'') IIA, IIB IIC

-

i''' Yes 60 10.1.6
No 60 10.1.6
NF: 10.1.6

(j)

O 13.1.1.1
R 13.1.1.2
C 13.1.1.3
F

(k)

T

No:

A

(l)

B

(AFFF)

C

D

No:

(m)

Yes: 14.3.1

(n)

No:

15 / 16

o

17

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
1	Acetic acid	Z	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9
2	Acetic anhydride	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
3	Acetochlor	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
4	Acetone cyanohydrin	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	Yes	15.12, 15.13, 15.17, 15.18, 15.19, 16.6.1, 16.6.2, 16.6.3
5	Acetonitrile	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.12, 15.19.6
6	() Acetonitrile (Low purity grade)	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F-T	AC	No	15.12, 3, 15.12.4, 15.19.6
7	Acid oil mixture from soyabean, corn (maize) and sunflower oil refining	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
8	50% Acrylamide solution (50% or less)	Y	S/P	2	2G	Open	No			NF	C	No	No	No	15.12.3, 15.13, 15.19.6, 16.2.9, 16.6.1
9	Acrylic acid	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.12.4, 15.13, 15.17, 15.19, 16.6.1, 16.2.9
10	Acrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19
11	- Acrylonitrile-Styrene copolymer dispersion in polyether polyol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
12		Z	S/P	3	2G	Cont	No		IIB	Yes	R	T	A	No	16.2.9
	Adiponitrile														
13	90%	X	S/P	2	2G	Open	No			Yes	O	No	AC	No	15.19.6, 16.2.9
	Alachlor technical (90% or more)														
14	C9-C11 2.5-9	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Alcohol (C9-C11) poly (2.5-9) ethoxylate														
15	C6-C17 3-6	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Alcohol (C6-C17) (secondary) poly(3-6)ethoxylates														
16	C6-C17 7-12	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Alcohol (C6-C17) (secondary) poly(7-12)ethoxylates														
17	C12-C16 1-6	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Alcohol (C12-C16) poly(1-6)ethoxylates														
18	C12-C16 20+	Y	P	3	2G	Open	No			Yes	O	No	A	No	16.2.9,15.19.6
	Alcohol (C12-C16) poly(20+)ethoxylates														
19	C12-C16 7-19	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Alcohol (C12-C16) poly(7-19)ethoxylates														
20	C13+	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
	Alcohols (C13+)														
21	(C8-C11)	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 (C8-C11), primary, linear and essentially linear														
22	(C12-C13)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Alcohols (C12-C13), primary, linear and essentially linear														
23	(C14-C18)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
	Alcohols (C14-C18), primary, linear and essentially linear														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
24	C6-C9 Alkanes (C6-C9)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
25	C10-C11 Iso- and cyclo-alkanes (C10-C11)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
26	C12+ Iso- and cyclo-alkanes (C12+)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	
27	n- C10+ n-Alkanes (C10+)	Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
28	(C9-C20) Alkaryl polyethers (C9-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
29	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
30	(C11+) Alkenyl (C11+) amide	X	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
31	C16-C20 Alkenyl (C16-C20) succinic anhydride	Z	S/P	3	2G	Cont	No			Yes	C	T	No	Yes	15.12,15.17,15.19
32	- Alkyl acrylate-vinylpyridine copolymer in toluene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
33	40% 0.02% Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	X	S/P	1	2G	Cont	No	T1	IIA	Yes	C	T	ABC	No	15.12,15.17,15.19
34	C4-C9 Alkylated (C4-C9) hindered phenols	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	BD	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
35	C12-C17	Z	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Alkylbenzene, alkylindane, alkylindene mixture (each C12-C17)														
36		Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
	Alkyl benzene distillation bottoms														
37	50%	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	ABC	No	15.12, 15.17, 15.19.6
	Alkylbenzene mixtures (containing at least 50% of toluene)														
38	C3-C4	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Alkyl (C3-C4) benzenes														
39	C5-C8	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Alkyl (C5-C8) benzenes														
40	C9+	Y	P	3	2G	Open	No	-	-	Yes	O	No	AB	No	
	Alkyl(C9+)benzenes														
41	C11-C17	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
	Alkyl (C11-C17) benzene sulphonic acid														
42	,	Y	S/P	2	2G	Open	No	-	-	NF	O	No	No	No	16.2.9, 15.19.6, 16.2.6
	Alkylbenzene sulphonic acid, sodium salt solution														
43	C12+	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	BCD	Yes	15.12,15.17,15.19
	Alkyl (C12+) dimethylamine														
44	C19-C35	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Alkyl dithiocarbamate (C19-C35)														
45	C6-C24	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
	Alkyldithiothiadiazole (C6-C24)														
46	C4-C20	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Alkyl ester copolymer (C4-C20)														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o	
47	C8-C10 / C12-C14	40%	/60%	55% Y	P	3	2G	Open	No		Yes	O	No	No	No	15.19.6, 16.2.6, 16.2.9
	Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)															
48	C8-C10 / C12-C14	60%	/40%	55% Y	P	3	2G	Open	No		Yes	O	No	No	No	, 16.2.6, 16.2.9
	Alkyl (C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution(55% or less)															
49	(C7-C9)			Y	S/P	2	2G	Open	No		Yes	O	No	AB	No	15.19.6, 15.20, 16.6.1, 16.6.2, 16.6.3
	Alkyl (C7-C9) nitrates															
50	(4-12)	C7-C11		Y	P	2	2G	Open	No		Yes	O	No	A	No	15.19.6
	Alkyl(C7-C11)phenol poly(4-12) ethoxylate															
51	C8-C40			Z	P	3	2G	Open	No		Yes	O	No	AB	No	
	Alkyl (C8-C40) phenol sulphide															
52	C8-C9			Y	P	2	2G	Cont	No		No	R	F	A	No	15.19.6
	Alkyl (C8-C9) phenylamine in aromatic solvents															
53	C9-C15			Z	P	3	2G	Open	No		Yes	O	No	AB	No	
	Alkyl (C9-C15) phenyl propoxylate															
54	C8-C10 / C12-C14	50%/50%		55%	Y	P	3	2G	Open	No	Yes	O	No	No	No	16.2.9, 16.2.6
	Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)															
55	C12-C14	55%		Y	P	3	2G	Open	No		Yes	O	No	No	No	15.19.6, 16.2.9
	Alkyl (C12-C14) polyglucoside solution (55% or less)															
56	C8-C10	65%		Y	P	3	2G	Open	No		Yes	O	No	No	No	16.2.6
	Alkyl (C8-C10) polyglucoside solution (65% or less).															

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
57	C10-C20 Alkyl(C10-C20, saturated and unsaturated) phosphite	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
58	C18 Alkyl (C18+) toluenes	Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6,16.2.9
59	Alkyltoluenesulphonic acid, calcium salts	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12,15.17,15.19,16.2.6
60	Alkyl sulphonic acid ester of phenol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
61	Allyl alcohol	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F-T	A	Yes	15.12,15.17,15.19
62	Allyl chloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12,15.17,15.19
63	Aluminium sulphate solution	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
64	2-(2-) 2-(2-Aminoethoxy) ethanol	Z	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6
65	/ Aminoethyldiethanolamine/Aminoethylethanolamine solution	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
66	Aminoethyl ethanolamine	Z	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	
67	N- N-Aminoethylpiperazine	Z	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
68	2- -2- -1- 2-Amino-2-methyl-1-propanol	Z	P	3	2G	Open	No			Yes	O	No	A	No	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
69	28%	Y	S/P	2	2G	Cont	No			NF	R	T	ABC	Yes	15.19.6
	Ammonia aqueous (28% or less)														
70		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Ammonium hydrogen phosphate solution														
71		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Ammonium lignosulphonate solutions														
72	93%	Z	S/P	2	1G	Open	No			NF	O	No	No	No	15.2, 15.11.4, 15.11.6, 15.18, 15.19.6, 16.2.9
	Ammonium nitrate solution (93% or less)														
73		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	Ammonium polyphosphate solution														
74		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Ammonium sulphate solution														
75	45%	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
	Ammonium sulphide solution (45% or less)														
76	60%	Z	P	3	2G	Open	No			NF	O	No	No	No	16.2.9
	Ammonium thiosulphate solution (60% or less)														
77		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Amyl acetate (all isomers)														
78		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	n-Amyl alcohol														
79		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Amyl alcohol, primary														
80		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	sec-Amyl alcohol														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
81	tert-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
82	tert-Amyl methyl ether	X	P	2	2G	Cont	No	T3		No	R	F	A	No	15.19.6
83	Aniline	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.17, 15.19
84	C11-C50 Aryl polyolefins (C11-C50)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
85	C8 Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C)	X	P	2	2G	Cont	No			No	R	F	B	No	15.19.6
86	C11-C15 Barium long chain (C11-C50) alkaryl sulphonate	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.12.3, 15.19, 16.2.6, 16.2.9
87	10% (i) Benzene and mixtures having 10% benzene or more (i)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	AB	No	15.12.1, 15.17, 15.19.6, 16.2.9
88	Benzene sulphonyl chloride	Z	S/P	3	2G	Cont	No			Yes	R	T	AD	No	15.19.6, 16.2.9
89	Benzenetricarboxylic acid, trioctyl ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
90	Benzyl acetate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
91	Benzyl alcohol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
92	Benzyl chloride	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AB	Yes	15.12, 15.13, 15.17, 15.19

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
93	(2-8) (C2-C3) / (C2-C10)	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	(C1-C4)														
	Brake fluid base mix: Poly(2-8)alkylene (C2-C3) glycols/Polyalkylene (C2-C10) glycols monoalkyl (C1-C4) ethers and their borate esters														
94		Z	S/P	3	2G	Cont	No			NF	R	T	No	No	
	Bromochloromethane														
95		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Butene oligomer														
96		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Butyl acetate (all isomers)														
97		Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
	Butyl acrylate (all isomers)														
98		Z	P	3	2G	Cont	No			No	R	F	A	No	
	tert-Butyl alcohol														
99		Y	S/P	2	2G	Cont	No			No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
	Butylamine (all isomers)														
100		X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Butylbenzene (all isomers)														
101		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Butyl benzyl phthalate														
102		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Butyl butyrate (all isomers)														
103	/ / /	Y	S/P	2	2G	Cont	No			Yes	R	No	AD	No	15.13, 16.6.1, 16.6.2, 15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Butyl/Decyl/Cetyl/Eicosyl methacrylate mixture														
104		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	Butylene glycol														
105	1 2- 1,2-Butylene oxide	Y	S/P	3	2G	Cont	Inert	T2	IIB	No	R	F	AC	No	15.8.1 to 15.8.7, 15.8.12, 15.8.13, 15.8.16, 15.8.17, 15.8.18, 15.8.19, 15.8.21, 15.8.25, 15.8.27, 15.8.29, 15.19.6
106	n-Butyl ether	Y	S/P	3	2G	Cont	Inert	T4	IIB	No	R	F-T	A	No	15.4.6, 15.12, 15.19.6
107	Butyl methacrylate	Z	S/P	3	2G	Cont	No		IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2
108	n-Butyl propionate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
109	Butyraldehyde (all isomers)	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	A	No	15.19.6
110	Butyric acid	Y	S/P	3	2G	Cont	No			Yes	R	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
111	- gamma-Butyrolactone	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
112	(C10-C28) 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
113	Calcium carbonate slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
114	Calcium hydroxide slurry	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
115	15%	Y	S/P	2	2G	Cont	No			NF	R	No	No	No	15.19.6
	Calcium hypochlorite solution (15% or less)														
116	15%	X	S/P	1	2G	Cont	No			NF	R	No	No	No	15.19, 16.2.9
	Calcium hypochlorite solution (more than 15%)														
117		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Calcium lignosulphonate solutions														
118	(C11-C50)	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Calcium long-chain alkaryl sulphonate (C11-C50)														
119	C5-C10	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Calcium long-chain alkyl(C5-C10) phenate														
120	C11-C40	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
	Calcium long-chain alkyl(C11-C40) phenate														
121	C8-C40	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)														
122	(C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Calcium long-chain alkyl salicylate (C13+)														
123	(C18-C28)	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12,15.17,15.19,16.2.6,16.2.9
	Calcium long-chain alkyl (C18-C28) salicylate														
124	/ /	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Calcium nitrate/Magnesium nitrate/Potassium chloride solution														
125	e-	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	epsilon-Caprolactam (molten or aqueous solutions)														
126		Y	S/P	2	2G	Cont	No			Yes	C	F-T	A	No	15.12, 15.19.6, 16.2.9
	Carbolic oil														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
127	Carbon disulphide	Y	S/P	2	1G	Cont	Pad+ine rt	T6	IIC	No	C	F-T	C	Yes	15.3, 15.12, 15.19
128	Carbon tetrachloride	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19.6
129	() Cashew nut shell oil (untreated)	Y	S	2	2G	Cont	No			Yes	R	T	AB	No	15.19.6, 16.2.6, 16.2.9
130	Castor oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.9.6, 16.2.6, 16.2.9
131	~ Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2, , 16.2.9
132	C10-C13 Chlorinated paraffins (C10-C13)	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
133	(C14-C17) 50% Chlorinated paraffins (C14-C17) (with 50% chlorine or more, and less than 1% C13 or shorter chains)	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.19
134	80% Chloroacetic acid (80% or less)	Y	S/P	2	2G	Cont	No			NF	C	No	No	No	15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.19, 16.2.9
135	Chlorobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.19.6
136	Chloroform	Y	S/P	3	2G	Cont	No			NF	R	T	No	Yes	15.12, 15.19.6
137	Chlorohydrins (crude)	Y	S/P	2	2G	Cont	No		IIA	No	C	F-T	A	No	15.12, 15.19
138	4- -2-	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt solution														
139	- o-Chloronitrobenzene	Y	S/P	2	2G	Cont	No			Yes	C	T	ABD	No	15.12, 15.17, 15.18, 15.19, 16.2.6, 16.2.9
140	1- 4- -4 4- - -3- 1-(4-Chlorophenyl)-4,4- dimethyl-pentan-3-one	Y	P	2	2G	Open	No			Yes	O	No	ABD	No	15.19.6,16.2.6,16.2.9
141	2- 3- 2- or 3-Chloropropionic acid	Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 16.2.9
142	Chlorosulphonic acid	Y	S/P	1	2G	Cont	No			NF	C	T	No	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.5, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.16.2, 15.19
143	- m-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
144	- o-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
145	- p-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6,16.2.9
146	Chlorotoluenes (mixed isomers)	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
147	Choline chloride solutions	Z	P	3	2G	Open	No	-		Yes	O	No	A	No	
148	70% Citric acid (70% or less)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
149	Coal tar	X	S/P	2	2G	Cont	No	T2	IIA	Yes	R	No	BD	No	15.19.6, 16.2.6, 16.2.9
150		Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F-T	AD	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Coal tar naphtha solvent														
151		X	S/P	2	1G	Cont	No	T2	IIA	Yes	R	No	BD	No	15.19.6, 16.2.6, 16.2.9
	Coal tar pitch (molten)														
152		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Cocoa butter														
153		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Coconut oil														
154		Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Coconut oil fatty acid														
155		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Coconut oil fatty acid methyl ester														
156	(C17+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Copper salt of long chain (C17+) alkanolic acid														
157		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Corn Oil														
158		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Cotton seed oil														
159		X	S/P	2	2G	Cont	No	T2	IIA	Yes	R	T	AD	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
	Creosote (coal tar)														
160		Y	S/P	2	2G	Open	No	T1	IIA	Yes	O	No	AB	No	15.19.6, 16.2.9
	Cresols (all isomers)														
161		Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Cresylic acid, dephenolized														
162	,	Y	S/P	2	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Cresylic acid, sodium salt solution														
163		Y	S/P	2	2G	Cont	No	T3	IIB	No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
	Crotonaldehyde														
164	1 5 9-	X	S/P	1	2G	Cont	No			Yes	R	T	A	No	15.13, 15.19, 16.6.1, 16.6.2
	1,5,9-Cyclododecatriene														
165		X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Cycloheptane														
166		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	Cyclohexane														
167		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
	Cyclohexanol														
168		Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
	Cyclohexanone														
169		Y	S/P	3	2G	Cont	No			Yes	R	F-T	A	No	15.19.6
	Cyclohexanone, Cyclohexanol mixture														
170		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Cyclohexyl acetate														
171		Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AC	No	15.19.6
	Cyclohexylamine														
172	1 3-	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
	1,3-Cyclopentadiene dimer (molten)														
173		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Cyclopentane														
174		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Cyclopentene														
175	-	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	p-Cymene														
176		Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
	Decahydronaphthalene														
177		X	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
	Decanoic acid														
178		X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Decene														
179	/ () / ()	Y	S/P	2	2G	Cont	No			Yes	R	T	ABC	No	15.12.3,15.12.4,15.19.6,16.2.9
	Decyl/Dodecyl/Tetradecyl alcohol mixture														
180		X	S/P	1	2G	Open	No	T3	IIA	Yes	O	No	ACD	No	15.13,15.19,16.6.1,16.6.2
	Decyl acrylate														
181		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6,16.2.9(e)
	Decyl alcohol (all isomers)														
182		X	S/P	2	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
	Decyloxytetrahydrothiophene dioxide														
183		Z	P	3	2G	Cont	No			No	R	F	A	No	
	Diacetone alcohol														
184	C8-C9	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
	Dialkyl (C8-C9) diphenylamines														
185	C7-C13	X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Dialkyl (C7-C13) phthalates														
186		Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3,15.19

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Dibromomethane														
187		Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	ACD	No	15.19.6
	Dibutylamine														
188		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Dibutyl hydrogen phosphonate														
189	2,6- - -	X	P	1	2G	Open	No	-	-	Yes	O	No	ABCD	No	15.19, 16.2.9
	2,6-Di-tert-butylphenol														
190		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Dibutyl phthalate														
191		X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	T	ABD	No	15.19.6
	Dichlorobenzene (all isomers)														
192	3 4- -1-	Y	S/P	2	2G	Cont	No			No	C	F-T	ABC	Yes	15.12.3,15.17,15.19.6
	3,4-Dichloro-1-butene														
193	1,1-	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.19.6
	1,1-Dichloroethane														
194		Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
	Dichloroethyl ether														
195	1,6-	Y	S/P	2	2G	Cont	No			No	R	T	AB	No	15.19.6
	1,6-Dichlorohexane														
196	2 2-	Y	S/P	2	2G	Cont	No			Yes	R	T	ACD	No	15.12,15.17,15.19
	2,2'-Dichloroisopropyl ether														
197		Y	S/P	3	2G	Cont	No	T1	IIA	Yes	R	T	No	No	15.19.6
	Dichloromethane														
198	2 4-	Y	S/P	2	2G	Cont	Dry			Yes	R	T	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	2,4-Dichlorophenol														
199	2,4- 2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9,
200	2,4- 2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9,
201	2,4- 2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6., 16.2.9,
202	1 1- 1,1-Dichloropropane	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.12,15.19.6
203	1 2- 1,2-Dichloropropane	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.12,15.19.6
204	1 3- 1,3-Dichloropropene	X	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AB	Yes	15.12, 15.17, 15.18, 15.19
205	/ Dichloropropene/Dichloropropane mixtures	X	S/P	2	2G	Cont	No			No	C	F-T	ABD	Yes	15.12, 15.17, 15.18, 15.19
206	2,2- 2,2-Dichloropropionic acid	Y	S/P	3	2G	Cont	Dry			Yes	R	No	A	No	15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9
207	 Diethanolamine	Y	S/P	3	2G	Open	No	T1	IIA	Yes	O	No	A	No	16.2.6, 16.2.9
208	 Diethylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.12,15.19.6
209	 Diethylaminoethanol	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	No	15.19.6
210	2,6- 2,6-Dichloropropionic acid	Y	S/P	3	2G	Open	No			Yes	O	No	BCD	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	2,6-Diethylaniline														
211		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Diethylbenzene														
212		Z	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	Diethylene glycol dibutyl ether														
213		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	Diethylene glycol diethyl ether														
214		Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
	Diethylene glycol phthalate														
215		Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	15.19.6
	Diethylenetriamine														
216		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	Diethylenetriaminepentaacetic acid, pentasodium salt solution														
217		Z	S/P	2	1G	Cont	Inert	T4	IIB	No	C	F-T	A	Yes	15.4,15.14,15.19
	Diethyl ether														
218	2-	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Di-(2-ethylhexyl) adipate														
219	2-	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.19.6
	Di-(2-ethylhexyl) phosphoric acid														
220		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Diethyl phthalate														
221		Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.19.6
	Diethyl sulphate														
222	A	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Diglycidyl ether of bisphenol A														
223	F	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
	Diglycidyl ether of bisphenol F														
224		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Diheptyl phthalate														
225	- -	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19
	Di-n-hexyl adipate														
226		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Diethyl phthalate														
227		Y	S/P	2	2G	Cont	No			No	R	F-T	ACD	No	15.12.3,15.19.6
	Diisobutylamine														
228		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Diisobutylene														
229		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Diisobutyl ketone														
230		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Diisobutyl phthalate														
231		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Diisononyl adipate														
232		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Diisooctyl phthalate														
233		Z	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	16.2.9
	Diisopropanolamine														
234		Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12,15.19

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Diisopropylamine														
235		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Diisopropylbenzene (all isomers)														
236		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Diisopropyl-naphthalene														
237	N N-	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	ACD	No	15.12, 15.17
	N,N-Dimethylacetamide														
238	N N- 40%	Z	S/P	3	2G	Cont	No			Yes	R	T	B	No	15.12.1, 15.17
	N,N-Dimethylacetamide solution (40% or less)														
239		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Dimethyl adipate														
240	45%	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	ACD	No	15.12, 15.19.6
	Dimethylamine solution (45% or less)														
241	45% 55%	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.17, 15.19
	Dimethylamine solution (greater than 45% but not greater than 55%)														
242	55% 65%	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.14, 15.17, 15.19
	Dimethylamine solution (greater than 55% but not greater than 65%)														
243	N N-	Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.12, 15.17, 15.19.6
	N,N-Dimethylcyclohexylamine														
244		Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	B	No	15.12.3, 15.12.4, 15.19.6
	Dimethyl disulphide														
245	N N-	X	S/P	1	2G	Open	No			Yes	O	No	B	No	15.19
	N,N-Dimethyldodecylamine														
246		Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AD	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Dimethylethanolamine														
247		Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.19.6
	Dimethylformamide														
248		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Dimethyl glutarate														
249		Y	S/P	3	2G	Cont	No			Yes	R	T	AD	No	15.12.1, 15.19.6
	Dimethyl hydrogen phosphite														
250		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Dimethyl octanoic acid														
251		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Dimethyl phthalate														
252		Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Dimethylpolysiloxane														
253	2 2- -1 3-	Z	P	3	2G	Open	No	-	-	Yes	O	No	AB	No	16.2.9
	2,2-Dimethylpropane-1,3-diol (molten or solution)														
254		Y	P	3	2G	Open	No			Yes	O	No	A	No	16.2.9
	Dimethyl succinate														
255		X	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.17, 15.19, 15.21, 16.2.6, 16.2.9, 16.6.4
	Dinitrotoluene (molten)														
256		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Dinonyl phthalate														
257		X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Diocetyl phthalate														
258	1 4-	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F-T	A	No	15.12, 15.19, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	1,4-Dioxane														
259	Dipentene	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
260	Diphenyl	X	P	2	2G	Open	No			Yes	O	No	B	No	15.19.6, 16.2.6, 16.2.9
261	Diphenylamine (molten)	Y	P	2	2G	Open	No	-	-	Yes	O	No	BD	No	15.19.6, 16.2.6, 16.2.9
262	2,2,4-Diphenylamine, reaction product with 2,2,4-Trimethylpentene	Y	S/P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
263	Diphenylamines, alkylated	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
264	/ Diphenyl/Diphenyl ether mixtures	X	P	2	2G	Open	No			Yes	O	No	B	No	15.19.6, 16.2.9
265	Diphenyl ether	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
266	/ Diphenyl ether/Diphenyl phenyl ether mixture	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
267	Diphenylmethane diisocyanate	Y	S/P	2	2G	Cont	Dry	-	-	Yes(a)	C	T(a)	ABC(b)	No	15.12, 15.16.2, 15.17, 15.19.6, 16.2.6, 16.2.9
268	Diphenylol propane-epichlorohydrin resins	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
269	Di-n-propylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.12.3, 15.19.6
270		Z	P	3	2G	Open	No			Yes	O	No	A	No	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Dipropylene glycol														
271	Resin oil, distilled	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	F-T	ABC	No	15.12., 15.17, 15.19.6
272	C7-C35 Dithiocarbamate ester (C7-C35)	X	P	2	2G	Open	No			Yes	O	No	AD	No	15.19.6, 16.2.9
273	Ditridecyl adipate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
274	Ditridecyl phthalate	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
275	Diundecyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
276	Dodecane (all isomers)	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
277	tert-Dodecanethiol	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	ABD	Yes	15.12, 15.17, 15.19
278	Dodecene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
279	Dodecyl alcohol	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
280	/ () Dodecylamine/Tetradecylamine mixture	Y	S/P	2	2G	Cont	No			Yes	R	T	AD	No	15.19.6, 16.2.9
281	Dodecylbenzene	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
282	()	X	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Dodecyl diphenyl ether disulphonate solution														
283		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Dodecyl hydroxypropyl sulphide														
284		Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.13
	Dodecyl methacrylate														
285	/	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.13, 16.6.1, 16.6.2, 15.19.6, 16.2.6
	Dodecyl/Octadecyl methacrylate (mixture)														
286	~	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 16.6.1, 16.6.2 15.19.6
	Dodecyl/Pentadecyl methacrylate mixture														
287		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
	Dodecyl phenol														
288		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Dodecyl Xylene														
289		X	P	2	2G	Open	No			Yes	O	No	No	No	15.19.6
	Drilling brines (containing zinc salts)														
290	,	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Drilling brines, including:calcium bromide solution, calcium chloride solution and sodium chloride solution														
291		Y	S/P	2	2G	Cont	No			IIB	No	C	F-T	A	E 15.12, 15.17, 15.19
	Epichlorohydrin														
292		Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	16.2.9
	Ethanolamine														
293	2-	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	2-Ethoxyethyl acetate														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
294	C16+	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.9
	Ethoxylated long chain (C16+) alkyloxyalkylamine														
295		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Ethyl acetate														
296		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Ethyl acetoacetate														
297		Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	E	15.13, 15.19.6, 16.6.1, 16.6.2
	Ethyl acrylate														
298		Y	S/P	2	1G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14, 15.19.6
	Ethylamine														
299	72%	Y	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14, 15.17, 15.19
	Ethylamine solutions (72% or less)														
300		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethyl amyl ketone														
301		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethylbenzene														
302		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethyl tert-butyl ether														
303		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethyl butyrate														
304		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethylcyclohexane														
305	N-	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.19.6
	N-Ethylcyclohexylamine														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
306	S- S-Ethyl dipropylthiocarbamate	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.9
307	Ethylene chlorohydrin	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AD	Yes	15.12,15.17, 15.19
308	Ethylene cyanohydrin	Y	S/P	3	2G	Open	No		IIB	Yes	O	No	A	No	15.19.6
309	Ethylenediamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6, 16.2.9
310	Ethylenediaminetetraacetic acid, tetrasodium salt solution	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
311	Ethylene dibromide	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.19.6, 16.2.9
312	Ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19
313	Ethylene glycol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
314	Ethylene glycol acetate	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
315	Ethylene glycol butyl ether acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
316	Ethylene glycol diacetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
317	Ethylene glycol methyl ether acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o	
318		Y	S/P	3	2G	Cont	No			No	R	F	A	No	15.19.6 16.2.9	
	Ethylene glycol monoalkyl ethers															
319		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9	
	Ethylene glycol phenyl ether															
320	/	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9	
	Ethylene glycol phenyl ether/Diethylene glycol phenyl ether mixture															
321	/	30%	Y	S/P	2	1G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15. 8, 15.12, 15.14, 15.19
	Ethylene oxide/Propylene oxide mixture with an ethylene oxide content of not more than 30% by mass															
322	-	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9	
	Ethylene-Vinyl acetate copolymer (emulsion)															
323	-3-	Y	P	3	2G	Cont	No			No	R	No	A	No	15.19.6	
	Ethyl-3-ethoxypropionate															
324	2-	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6	
	2-Ethylhexanoic acid															
325	2-	Y	S/P	3	2G	Open	No	T3	IIB	Yes	O	No	A	No	15.13, 15.19.6, 16.6.1, 16.6.2	
	2-Ethylhexyl acrylate															
326	2-	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.12, 15.19.6	
	2-Ethylhexylamine															
327	2- -2- -1 3- C8-C10	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9	
	2-Ethyl-2-(hydroxymethyl) propane-1,3-diol (C8-C10) ester															
328		Y	S/P	2	2G	Cont	No			No	R	F-T	AD	No	15.12.1, 15.19.6	
	Ethylidene norbornene															
329		Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.6.1, 16.6.2	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Ethyl methacrylate														
330	N-	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F	AC	Yes	15.12.3, 15.17, 15.19
	N-Ethylmethylallylamine														
331		Y	P	3	2G	Open	No			No	R	F	A	No	15.19.6
	Ethyl propionate														
332	2- -3-	Y	S/P	3	2G	Cont	No		IIA	No	R	F-T	A	No	15.19.6, 16.2.9
	2-Ethyl-3-propylacrolein														
333		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Ethyl toluene														
334	C13+	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
	Fatty acid (saturated C13+)														
335	(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 acid methyl esters (m)														
336	(12+)	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
	Fatty acids, 12+														
337	(C8-C10)	Y	S/P	2	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19, 16.2.6, 16.2.9
	Fatty acids, C8-C10														
338	C6-C18 2-	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Fatty acids, essentially linear (C6-C18) 2-ethylhexyl ester.														
339	C16+	Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
	Fatty acids, C16+														
340		Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.19.6, 16.2..9
	Ferric chloride solutions														
341	/	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Ferric nitrate/Nitric acid solution														
342		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Fish oil														
343	20%-30%	Y	S/P	3	1G	Cont	No	-	-	NF	R	T	No	Yes	15.11, 15.19.6
	Fluorosilicic acid (20-30%) in water solution														
344	(45%)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	Yes	15.19.6, 16.2.9
	Formaldehyde solutions (45% or less)														
345		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Formamide														
346		Y	S/P	3	2G	Cont	No	T1	IIA	No	R	T(g)	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6,, 15.11.7, 15.11.8, 15.19.6, 16.2.9
	Formic acid														
347		Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
	Furfural														
348		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Furfuryl alcohol														
349	/ 10%	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 less than 10% amines)														
350	(50%)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
	Glutaraldehyde solutions (50% or less)														
351		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Glycerol monooleate														
352		Z	S/P	3	2G	Cont	No	-	-	Yes	R	T	ABC	No	15.12.3, 15.12.4, 15.19.6
	Glycerol propoxylated														
353		Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Glycerol, propoxylated and ethoxylated														
354	/	Z	P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
	Glycerol/sucrose blend propoxylated and ethoxylated														
355		Z	P	3	2G	Open	No			Yes	O	No	AB	No	
	Glyceryl triacetate														
356	C10	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Glycidyl ester of C10 trialkylacetic acid														
357	,	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Glycine, sodium salt solution														
358	(70%)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.9
	Glycolic acid solution (70% or less)														
359	(40%)	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Glyoxal solution (40% or less)														
360	50%	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	ACD	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.9, 16.6.1, 16.6.2, 16.6.3
	Glyoxylic acid solution (50 % or less)														
361	()	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
	Glyphosate solution (not containing surfactant)														
362		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Groundnut oil														
363	()	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	Heptane (all isomers)														
364	n-	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
	n-Heptanoic acid														
365	() (d)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Heptanol (all isomers) (d)														
366	()	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Heptene (all isomers)														
367		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Heptyl acetate														
368	1- /1,4- ()	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	1-Hexadecylnaphthalene / 1,4-bis(hexadecyl)naphthalene mixture														
369	(50%)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Hexamethylenediamine adipate (50% in water)														
370		Y	S/P	2	2G	Cont	No			Yes	C	T	C	Yes	15.12, 15.17, 15.18, 15.19.6, 16.2.9
	Hexamethylenediamine (molten)														
371		Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.19.6
	Hexamethylenediamine solution														
372		Y	S/P	2	1G	Cont	Dry	T1	IIB	Yes	C	T	A C(b)	Yes	15.12, 15.17, 15.16.2, 15.18, 15.19
	Hexamethylene diisocyanate														
373		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Hexamethylene glycol														
374		Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.19.6
	Hexamethyleneimine														
375	()	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Hexane (all isomers)														
376	1,6- ,	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.12.3, 15.12.4, 15.19.6, 16.2.9
	1,6-Hexanediol, distillation overheads														
377		Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Hexanoic acid														
378		Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Hexanol														
379	()	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Hexene (all isomers)														
380		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Hexyl acetate														
381		Z	S/P	3	1G	Cont	No			NF	R	T	No	Yes	15.11
	Hydrochloric acid														
382	(60% , 70%)	Y	S/P	2	2G	Cont	No			NF	C	No	No	No	15.5.1, 15.19.6
	Hydrogen peroxide solutions (over 60% but not over 70% by mass)														
383	(8% 60%)	Y	S/P	3	2G	Cont	No			NF	C	No	No	No	15.5.2, 15.18, 15.19.6
	Hydrogen peroxide solutions (over 8% but not over 60% by mass)														
384	2-	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.13, 15.19.6, 16.6.1, 16.6.2
	2-Hydroxyethyl acrylate														
385	-() ,	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	N-(Hydroxyethyl)ethylenediaminetriacetic acid, trisodium salt solution														
386	2- -4-()	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	2-Hydroxy-4-(methylthio)butanoic acid														
387		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Illipe oil														
388		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Isoamyl alcohol														
389		Z	P	3	2G	Cont	No			No	R	F	AB	No	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Isobutyl alcohol														
390		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Isobutyl formate														
391		Z	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.12, 15.13, 15.17, 16.6.1, 16.6.2
	Isobutyl methacrylate														
392		Y	S/P	3	2G	Cont	No			Yes	R	No	A	No	15.19.6
	Isophorone														
393		Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	16.2.9
	Isophoronediamine														
394		X	S/P	2	2G	Cont	Dry			Yes	C	T	ABD	No	15.12, 15.16.2, 15.17, 15.19.6
	Isophorone diisocyanate														
395		Y	S/P	3	2G	Cont	No	T3	IIB	No	R	F	B	No	15.13, 15.14, 15.19.6, 16.6.1, 16.6.2
	Isoprene														
396		Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	16.2.9, 15.19.6, 16.2.6
	Isopropanolamine														
397		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Isopropyl acetate														
398		Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14, 15.19
	Isopropylamine														
399	(70%)	Y	S/P	2	2G	Cont	No			No	C	F-T	CD	Yes	15.12, 15.19.6, 16.2.9
	sopropylamine (70% or less) solution														
400		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	Isopropylcyclohexane														
401		Y	S/P	3	2G	Cont	Inert			No	R	F	A	No	15.4.6, 15.13.3, 15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Isopropyl ether														
402		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Lactic acid														
403	(80%)	Y	S/P	2	1G	Cont	No			Yes	C	T	ACD	Yes	, 15.12, 15.13,15.17, 15.18, 15.19, 16.6.1, 16.2.2, 16.6.3
	Lactonitrile solution (80% or less)														
404		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Lard														
405	, 1%	Y	S/P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Latex, ammonia (1% or less)- inhibited														
406	- -	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Latex: Carboxylated styrene-Butadiene copolymer; Styrene-Butadiene rubber														
407		X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Lauric acid														
408		Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Ligninsulphonic acid, sodium salt solution														
409		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Linseed oil														
410		X	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.19.6, 20.5.1
	Liquid chemical wastes														
411	(C11-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.6, 16.2.9
	Long-chain alkaryl polyether (C11-C20)														
412	(C16-C60)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
	Long-chain alkaryl sulphonic acid (C16-C60)														
413	/	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Long-chain alkylphenate/Phenol sulphide mixture														
414	L- (60%)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	L-Lysine solution (60% or less)														
415		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Magnesium chloride solution														
416	(C11-C50)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Magnesium long-chain alkaryl sulphate (C11-C50)														
417	(C11+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Magnesium long-chain alkyl salicylate (C11+)														
418		Y	S/P	3	2G	Cont	No			Yes	R	No	AC(f)	No	16.2.9
	Maleic anhydride														
419		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Mango kernel oil														
420		X	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
	Mercaptobenzothiazol, sodium salt solution														
421		Z	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
	Mesityl oxide														
422		X	S/P	1	2G	Open	No			NF	O	No	No	No	15.19, 16.2.9
	Metam sodium solution														
423	- () ,	Z	S/P	3	2G	Open	No	-	-	NF	O	No	AC	No	16.2.9
	45%														
	Methacrylic acid - alkoxy poly (alkylene oxide) methacrylate copolymer, sodium salt aqueous solution (45% or less)														
424		Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.13, 16.6.1, 15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Methacrylic acid														
425		Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19, 16.2.9
	Methacrylic resin in ethylene dichloride														
426		Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19
	Methacrylonitrile														
427	3- ()-1-	Z	P	3	2G	Cont	No			No	R	F	A	No	
	3-Methoxy-1-butanol														
428	3-	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
	3-Methoxybutyl acetate														
429	N-(2- -1-)-2- -6-	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19, 16.2.6
	N-(2-Methoxy-1-methyl ethyl)-2-ethyl-6-methyl chloroacetanilide														
430		Z	P	3	2G	Cont	No			No	R	F	A	No	
	Methyl acetate														
431		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Methyl acetoacetate														
432		Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	A	Yes	15.13, 15.19.6, 16.6.1, 16.6.2
	Methyl acrylate														
433		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Methyl alcohol														
434	(42%)	Y	S/P	2	2G	Cont	No			No	C	F-T	ACD	Yes	15.12, 15.17, 15.19
	Methylamine solutions (42% or less)														
435		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Methylamyl acetate														
436		Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Methylamyl alcohol														
437	()	Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Methyl amyl ketone														
438		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	Methylbutenol														
439		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Methyl tert-butyl ether														
440		Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
	Methyl butyl ketone														
441		Z	P	3	2G	Cont	No			No	R	F	A	No	
	Methylbutynol														
442		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Methyl butyrate														
443		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Methylcyclohexane														
444		Y	P	2	2G	Cont	No			No	R	F	B	No	15.19.6
	Methylcyclopentadiene dimer														
445		X	S/P	1	1G	Cont	No	-	-	Yes	C	T	ABCD	Yes	15.12, 15.18, 15.19, 16.2.9
	Methylcyclopentadienyl manganese tricarbonyl														
446		Y	S/P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
	Methyl diethanolamine														
447	2- -6-	Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6
	2-Methyl-6-ethyl aniline														
448		Z	P	3	2G	Cont	No			No	R	F	A	No	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Methyl ethyl ketone														
449	2- -5-	Y	S/P	3	2G	Open	No		IIA	Yes	O	No	AD	No	15.19.6
	2-Methyl-5-ethyl pyridine														
450		Z	S/P	2	2G	Cont	No		No	R	F-T	A		Yes	15.12, 15.14, 15.19
	Methyl formate														
451	2- -2- -3-	Z	S/P	3	2G	Cont	No		IIA	No	R	F-T	ABD	No	15.19.6, 16.2.9
	2-Methyl-2-hydroxy-3-butyne														
452		Z	P	3	2G	Cont	No		No	R	F	AB		No	
	Methyl isobutyl ketone														
453		Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
	Methyl methacrylate														
454	3- -3-	Z	P	3	2G	Open	No		Yes	O	No	A		No	
	3-Methyl-3-methoxybutanol														
455	()	X	S/P	2	2G	Cont	No		Yes	R	No	AD		No	15.19.6
	Methyl naphthalene (molten)														
456	2- -1,3-	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
	2-Methyl-1,3-propanediol														
457	2-	Z	S/P	2	2G	Cont	No		No	C	F	A		No	15.12.3, 15.19.6
	2-Methylpyridine														
458	3-	Z	S/P	2	2G	Cont	No		No	C	F	AC		No	15.12.3, 15.19
	3-Methylpyridine														
459	4-	Z	S/P	2	2G	Cont	No		No	C	F-T	A		No	15.12.3, 15.19, 16.2.9
	4-Methylpyridine														
460	N- -2-	Y	P	3	2G	Open	No		Yes	O	No	A		No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	N-Methyl-2-pyrrolidone														
461		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Methyl salicylate														
462	-	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	AD(j)	No	15.13, 15.19.6, 16.6.1, 16.6.2
	alpha-Methylstyrene														
463	3-()	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	F-T	BC	Yes	15.12, 15.17, 15.19
	3-(methylthio)propionaldehyde														
464		Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
	Molybdenum Polysulfide Long Chain Alkyl Dithiocarbamide Complex.														
465		Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
	Morpholine														
466		X	S/P	1	1G	Cont	No	T4	IIA	No	C	F-T	AC	Yes	15.6, 15.12, 15.18, 15.19
	Motor fuel anti-knock compounds (containing lead alkyls)														
467		X	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
	Myrcene														
468	()	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	15.19.6, 16.2.9
	Naphthalene (molten)														
469	-	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
	Naphthalenesulphonic acid-Formaldehyde copolymer, sodium salt solution														
470		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Neodecanoic acid														
471	()	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.16.2, 15.17, 15.19
	Nitrating acid (mixture of sulphuric and nitric acids)														
472	(70%)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.19

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Nitric acid (70% and over)														
473	(70%)	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19
	Nitric acid (less than 70%)														
474		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Nitrioltriacetic acid, trisodium salt solution														
475		Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AD	No	15.12, 15.17, 15.18, 15.19, 16.2.9
	Nitrobenzene														
476		Y	S/P	3	2G	Cont	No		IIB	No	R	F-T	A(f)	No	15.19.6, 16.6.1, 16.6.2, 16.6.4
	Nitroethane														
477	(80%)/ (20%)	Y	S/P	3	2G	Cont	No		IIB	No	R	F-T	A(f)	No	15.19.6, 16.6.1, 16.6.2, 16.6.3
	Nitroethane(80%)/ Nitropropane(20%)														
478	, 1- (15%)	Y	S/P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.6, 16.6.1, 16.6.2, 16.6.3
	Nitroethane, 1-Nitropropane (each 15% or more) mixture														
479	- ()	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	No	15.12, 15.19.6, 16.2.6, 16.2.9
	o-Nitrophenol (molten)														
480	1- 2-	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
	1- or 2-Nitropropane														
481	(60%)/ (40%)	Y	S/P	3	2G	Cont	No			No	R	F-T	A(f)	No	15.19.6
	Nitropropane (60%)/Nitroethane (40%) mixture														
482	- -	Y	S/P	2	2G	Cont	No		IIB	Yes	C	T	AB	No	15.12, 15.17, 15.19.6
	o- or p-Nitrotoluenes														
483	()	X	P	2	2G	Cont	No			No	R	F	BC	No	15.19.6
	Nonane (all isomers)														
484	()	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
Nonanoic acid (all isomers)															
485	()	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Nonene (all isomers)															
486	()	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Nonyl alcohol (all isomers)															
487		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6 16.2.9
Nonyl methacrylate monomer															
488		X	P	1	2G	Open	No			Yes	O	No	A	No	15.19., 16.2.6, 16.2.9
Nonylphenol															
489	(4+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
Nonylphenol poly(4+)ethoxylate															
490	, NF, (1) n.o.s. (, ,) ST1, Cat. X	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.19, 16.2.6
Noxious liquid, NF, (1) n.o.s. (trade name , contains) ST1, Cat. X															
491	, F, (2) n.o.s. (, ,) ST1, Cat. X	X	P	1	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6
Noxious liquid, F, (2) n.o.s. (trade name , contains) ST1, Cat. X															
492	, NF, (3) n.o.s. (, ,) ST2, Cat. X	X	P	2	2G	Open	No	-		Yes	O	No	A	No	15.19, 16.2.6
Noxious liquid, NF, (3) n.o.s. (trade name , contains) ST2, Cat. X															
493	, F, (4) n.o.s. (, ,) ST2, Cat. X	X	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6
Noxious liquid, F, (4) n.o.s. (trade name , contains) ST2, Cat. X															
494	, NF, (5) n.o.s. (, ,) ST2, Cat. Y	Y	P	2	2G	Open	No	-		Yes	O	No	A	No	15.19, 16.2.6, 16.2.9(1)
Noxious liquid, NF, (5) n.o.s. (trade name , contains) ST2, Cat. Y															
495	, F, (6) n.o.s. (, ,) ST2, Cat. Y	Y	P	2	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6, 16.2.9(1)
Noxious liquid, F, (6) n.o.s. (trade name , contains) ST2, Cat. Y															
496	, NF, (7) n.o.s. (, ,) ST3, Cat. Y	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19, 16.2.6, 16.2.9(1)

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Noxious liquid, NF, (7) n.o.s. (trade name, contains) ST3, Cat. Y														
497	, F, (8) n.o.s. (.....,) ST3, Cat. Y	Y	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	15.19, 16.2.6, 16.2.9(1)
	Noxious liquid, F, (8) n.o.s. (trade name, contains) ST3, Cat. Y														
498	, NF, (9) n.o.s. (.....,) ST3, Cat. Z	Z	P	3	2G	Open	No	-	Yes	O	No	A	No		
	Noxious liquid, NF, (9) n.o.s. (trade name, contains) ST3, Cat. Z														
499	, F, (10) n.o.s. (.....,) ST3, Cat. Z	Z	P	3	2G	Cont	No	T3	IIA	No	R	F	A	No	
	Noxious liquid, F, (10) n.o.s. (trade name, contains) ST3, Cat. Z														
500	() ()	X	P	2	2G	Cont	No		No	R	F	A	No	15.19.6	
	Octane (all isomers)														
501	()	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Octanoic acid (all isomers)														
502	()	Y	P	2	2G	Open	No		Yes	O	No	A	No		
	Octanol (all isomers)														
503	()	Y	P	2	2G	Cont	No		No	R	F	A	No	15.19.6	
	Octene (all isomers)														
504		Y	P	3	2G	Open	No		Yes	O	No	A	No	15.19.6, 16.2.9	
	n-Octyl acetate														
505		Y	P	3	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.9
	Octyl aldehydes														
506		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
	Octyl decyl adipate														
507	- (2000+)	Y	P	2	2G	Open	No		Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9	
	Olefin-Alkyl ester copolymer (molecular weight 2000+)														
508	(C5-C7)	Y	P	3	2G	Cont	No		No	R	F	A	No	15.19.6	

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Olefin mixtures (C5-C7)														
509	(C5-C15)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Olefin mixtures (C5-C15)														
510	(C13+,)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
	Olefins (C13+, all isomers)														
511	- (C6-C18)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	alpha-Olefins (C6-C18) mixtures														
512		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
	Oleic acid														
513		Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11.2 to 15.11.8, 15.12.1, 15.16.2, 15.17, 15.19, 16.2.6
	Oleum														
514		X	S/P	2	2G	Cont	No			Yes	R	T	A	No	15.19.6, 16.2.9
	Oleylamine														
515		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Olive oil														
516		Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
	Oxygenated aliphatic hydrocarbon mixture														
517		Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm acid oil														
518		Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm fatty acid distillate														
519		Y	S/P	2	2G	Open	No			Yes	O	No	ABC	No	16.2.9, 15.19.6, 16.2.6
	Palm kernel acid oil														
520		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Palm kernel oil														
521		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm kernel olein														
522		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm kernel stearin														
523		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm mid fraction														
524		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm oil														
525		Y	S/P	2	2G	Cont	No	-	-	Yes	R	No	ABC	No	15.12.3, 15.12.4, 15.19.6, 16.2.6, 16.2.9
	Non-edible industrial grade palm oil														
526		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
	Palm oil fatty acid methyl ester														
527		Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm olein														
528		Y	P	2(K)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Palm stearin														
529		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Paraffin wax														
530		Z	S/P	3	2G	Cont	No	T3	IIB	No	R	F	A	No	15.19.6, 16.2.9
	Paraldehyde														
531	-	Y	S/P	2	2G	Cont	No			No	C	F-T	A	No	15.12.3, 15.19
	Paraldehyde-ammonia reaction product														
532		Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Pentachloroethane														
533		Y	P	3	2G	Cont	No			No	R	F-T	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2, 16.6.3
	1,3-Pentadiene														
534		X	S/P	2	2G	Open	No		Yes	Yes	O	No	B	Yes	15.19
	Pentaethylenhexamine														
535		Y	P	3	2G	Cont	No			No	R	F	A	No	15.14, 15.19.6
	Pentane (all isomers)														
536		Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Pentanoic acid														
537	(64%)/2- n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	Y	S/P	2	2G	Open	No	T2		Yes	C	No	AD	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.19
538		Y	P	3	2G	Cont	No			No	R	F	A	No	15.14, 15.19.6
	Pentene (all isomers)														
539		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	n-Pentyl propionate														
540		Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.12.2, 15.19.6
	Perchloroethylene														
541		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Petrolatum														
542		Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.19, 16.2.9
	Phenol														
543	1- -1- 1-Phenyl-1-xylyl ethane	Y	P	3	2G	Open	No			Yes	O	No	AB	No	
544	(C12-C14)	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
	Phosphate esters, alkyl (C12-C14) amine														
545	Phosphoric acid	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.11.1, 15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 16.2.9
546	Phosphorus, yellow or white	X	S/P	1	1G	Cont	Pad+(ve nt or inert)			No(c C)	No	C	Yes		15.7, 15.19, 16.2.9
547	Phthalic anhydride (molten)	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	16.2.9, 15.19.6, 16.2.6
548	- alpha-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
549	- beta-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
550	Pine oil	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.6, 16.2.9
551	40% Polyacrylic acid solution (40% or less)	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	AC	No	
552	(C18-C22) Polyalkyl (C18-C22) acrylate in xylene	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6, 16.2.6, 16.2.9
553	, () Polyalkylalkenaminesuccinimide, molybdenum oxysulphide	Y	P	2	2G	Open	No			Yes	O	No	ABC	No	15.19.6, 16.2.6
554	(2-8) (C1-C6) Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
555	(2-8) (C1-C6) Poly(2-8)alkylene glycol monoalkyl (C1-C6) ether acetate	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
556	(C10-C20) Polyalkyl (C10-C20) methacrylate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
557	(C10-C18) / - Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
558	Polybutene	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
559	Polybutenyl succinimide	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
560	2+ Poly(2+)cyclic aromatics	X	P	1	2G	Cont	No			Yes	R	No	AD	No	15.19, 16.2.6, 16.2.9
561	(1350+) Polyether (molecular weight 1350+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6
562	Polyethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
563	Polyethylene glycol dimethyl ether	Z	P	3	2G	Open	No			Yes	O	No	A	No	
564	Polyethylene polyamines	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
565	C5-C20 50%) Polyethylene polyamines (more than 50% C5 -C20 paraffin oil)	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	16.2.9, 15.19.6
566	Polyferric sulphate solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
567	()- -N- () 90% Poly(iminoethylene)-graft-N-poly(ethyleneoxy) solution (90% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	AC	No	16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
568	(C10-C14) Polyisobutenamine in aliphatic (C10-C14) solvent	Y	P	3	2G	Open	No	T3	IIA	Yes	O	No	A	No	15.19.6
569	Polyisobutenyl anhydride adduct	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
570	(4+) Poly(4+)isobutylene	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.9
571	Polymethylene polyphenyl isocyanate	Y	S/P	2	2G	Cont	Dry			Yes	(C	T(a)	A	No	15.12, 15.16.2, 15.19.6, 16.2.9
572	(300+) Polyolefin (molecular weight 300+)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
573	(C17+) Polyolefin amide alkeneamine (C17+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
574	(C28-C250) Polyolefin amide alkeneamine borate (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
575	Polyolefin amide alkeneamine polyol	Y	S/P	2	2G	Cont	No			Yes	C	T	ABC	Yes	15.12,15.17,15.19,16.2.6
576	(C28-C250) Polyolefinamine (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
577	(C2-C4) Polyolefinamine in alkyl (C2-C4) benzenes	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
578	Polyolefinamine in aromatic solvent	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.6, 16.2.9
579	(2000+) Polyolefin aminoester salts (molecular weight 2000+)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
580		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Polyolefin anhydride														
581	(C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Polyolefin ester (C28-C250)														
582	(C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Polyolefin phenolic amine (C28-C250)														
583	(C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Polyolefin phosphorusulphide, barium derivative (C28-C250)														
584	(20)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Poly(20)oxyethylene sorbitan monooleate														
585	(5+)	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.9
	Poly(5+)propylene														
586		Z	S/P	3	2G	Cont	No			Yes	O	No	ABC	No	15.19.6
	Polypropylene glycol														
587		Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6, 16.2.9
	Polysiloxane														
588		Z	S/P	3	2G	Open	No	-	-	NF	O	No	A	No	16.2.9
	Potassium chloride solution														
589		Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
	Potassium hydroxide solution														
590		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Potassium oleate														
591	(50%)	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
	Potassium thiosulphate (50% or less)														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
592		Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	16.2.9, 15.19.6
	n-Propanolamine														
593	-	Y	S/P	2	2G	Cont	No		IIA	Yes	R	T	A	No	15.19.6
	beta-Propiolactone														
594		Y	S/P	3	2G	Cont	No			No	R	F-T	A	Yes	15.17, 15.19.6
	Propionaldehyde														
595		Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
	Propionic acid														
596		Y	S/P	3	2G	Cont	No	T2	IIA	Yes	R	T	A	No	15.19.6
	Propionic anhydride														
597		Y	S/P	2	1G	Cont	No	T1	IIB	No	C	F-T	AD	Yes	15.12, 15.17, 15.18, 15.19
	Propionitrile														
598		Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
	n-Propyl acetate														
599		Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	n-Propyl alcohol														
600		Z	S/P	2	2G	Cont	Inert	T2	IIA	No	C	F-T	AD	Yes	15.12, 15.19
	n-Propylamine														
601	()	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
	Propylbenzene (all isomers)														
602		Z	P	3	2G	Cont	No			No	R	F	A	No	
	Propylene glycol methyl ether acetate														
603		Z	P	3	2G	Cont	No			No	R	F	AB	No	
	Propylene glycol monoalkyl ether														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
604		Z	P	3	2G	Open	No			Yes	O	No	AB	No	
	Propylene glycol phenyl ether														
605		Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15.8, 15.12.1, 15.14, 15.19
	Propylene oxide														
606		X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Propylene tetramer														
607		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
	Propylene trimer														
608		Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	No	15.19.6
	Pyridine														
609		Y	S/P	2	2G	Cont	No	T3	IIA	No	C	F-T	AB	No	15.12,15.17, 15.19.6
	Pyrolysis gasoline (containing benzene)														
610		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Rapeseed oil														
611	(4)	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Rapeseed oil containing less than 4% free fatty acid														
612		Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
	Rapeseed oil fatty acid methyl esters														
613		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Rice bran oil														
614		Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
	Rosin														
615		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Safflower oil														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
616	Shea butter	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
617	(C14-C17) (60-65%) Sodium alkyl (C14-C17) sulphonates (60-65% solution)	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
618	Sodium aluminosilicate slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
619	Sodium benzoate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
620	(15%)/ Sodium borohydride (15% or less)/Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
621	Sodium carbonate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
622	(50%) Sodium chlorate solution (50% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.9, 15.19.6, 16.2.9
623	(70%) Sodium dichromate solution (70% or less)	Y	S/P	2	2G	Open	No			NF	C	No	No	No	15.12.3, 15.19
624	(6%)/ (3%) Sodium hydrogen sulphide (6% or less)/Sodium carbonate (3% or less) solution	Z	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
625	(45%) Sodium hydrogen sulphite solution (45% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	16.2.9
626	/ Sodium hydrosulphide/Ammonium sulphide solution	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.14, 15.17, 15.19, 16.6.1, 16.6.2, 16.6.3
627	(45%) Sodium hydrosulphide solution (45% or less)	Z	S/P	3	2G	Cont	Vent or pad(gas)			NF	R	T	No	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
628	Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.6, 16.2.9
629	(15%) Sodium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No	-	-	NF	R	No	No	No	15.19.6
630	Sodium nitrite solution	Y	S/P	2	2G	Open	No			NF	O	No	No	No	15.12.3.1, 15.12.3.2, 15.19, 16.2.9
631	Sodium petroleum sulphonate	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
632	(4+) Sodium poly(4+)acrylate solutions	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	16.2.9
633	Sodium silicate solution	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
634	(15%) Sodium sulphide solution (15% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	No	15.19.6, 16.2.9
635	(25%) Sodium sulphite solution (25% or less)	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.9
636	(56%) Sodium thiocyanate solution (56% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.9
637	Soyabean oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
638	Styrene monomer	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2
639	(C3-C88)	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
Sulphohydrocarbon (C3-C88)															
640		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
Sulpholane															
641	()	Z	S	3	1G	Open	Vent or T3 pad(gas)			Yes	O	F-T	No	No	15.10, 16.2.9
Sulphur (molten)															
642		Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11,15.16.2, 15.19.6
Sulphuric acid															
643		Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.16.2, 15.19.6
Sulphuric acid, spent															
644	(C14-C20)	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Sulphurized fat (C14-C20)															
645	(C28-C250)	Z	P	3	2G	Open	No	-	-	Yes	O	No	A	No	
Sulphurized polyolefinamide alkene (C28-C250) amine															
646		Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
Sunflower seed oil															
647		Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6
Tall oil, crude															
648		Y	P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6
Tall oil, distilled															
649	20%	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6
Tall oil fatty acid (resin acids less than 20%)															
650		Y	S/P	2	2G	Cont	No	-	-	Yes	C	T	ABC	Yes	15.12, 15.17, 15.19, 16.2.6, 16.2.9
Tall oil pitch															

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
651	Tallow	Y	P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
652	Tallow fatty acid	Y	P	2	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
653	Tetrachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6
654	Tetraethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
655	Tetraethylene pentamine	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
656	Tetrahydrofuran	Z	S	3	2G	Cont	No	T3	IIB	No	R	F-T	A	No	15.19.6
657	Tetrahydronaphthalene	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
658	() Tetramethylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9
659	Titanium dioxide slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
660	Toluene	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
661	Toluenediamine	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	Yes	15.12, 15.17, 15.19, 16.2.9, 16.2.6
662	Toluene diisocyanate	Y	S/P	2	2G	Cont	Dry	T1	IIA	Yes	C	F-T	AC(b), D	Yes	15.12, 15.16.2, 15.17, 15.19, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
663		Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.17, 15.19
	o-Toluidine														
664		Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	Tributyl phosphate														
665	1,2,3- ()	X	S/P	1	2G	Cont	No			Yes	C	T	ACD	Yes	15.12.1, 15.17, 15.19, 16.2.9, 16.2.6
	1,2,3-Trichlorobenzene (molten)														
666	1,2,4-	X	S/P	1	2G	Cont	No			Yes	R	T	AB	No	15.19, 16.2.9
	1,2,4-Trichlorobenzene														
667	1,1,1-	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
	1,1,1-Trichloroethane														
668	1,1,2-	Y	S/P	3	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.19.6
	1,1,2-Trichloroethane														
669		Y	S/P	2	2G	Cont	No	T2	IIA	Yes	R	T	No	No	15.12, 15.17, 15.19.6
	Trichloroethylene														
670	1,2,3-	Y	S/P	2	2G	Cont	No			Yes	C	T	ABD	No	15.12, 15.17, 15.19
	1,2,3-Trichloropropane														
671	1,1,2- -1,2,2-	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6
	1,1,2-Trichloro-1,2,2-Trifluoroethane														
672	(1%)	Y	S/P	1	2G	Cont	No	T2	IIA	Yes	C	No	AB	No	15.12.3, 15.19, 16.2.6
	Tricresyl phosphate (containing 1% or more ortho-isomer)														
673	(1%)	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
	Tricresyl phosphate (containing less than 1% ortho-isomer)														
674	()	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
	Tridecane														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
675	() Tridecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6, 16.2.9
676	Tridecyl acetate	Y	P	3	2G	Open	No	-	-	Yes	O	No	A	No	15.19.6
677	Triethanolamine	Z	S/P	3	2G	Open	No		IIA	Yes	O	No	A	No	16.2.9
678	Triethylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	Yes	15.12, 15.19.6
679	Triethylbenzene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
680	Triethylenetetramine	Y	S/P	2	2G	Open	No	T2	IIA	Yes	O	No	A	No	15.19.6
681	Triethyl phosphate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
682	Triethyl phosphite	Z	S/P	3	2G	Cont	No			No	R	F-T	AB	No	15.12.1, 15.19.6, 16.2.9
683	Triisopropanolamine	Z	P	3	2G	Open	No			Yes	O	No	A	No	
684	Triisopropylated phenyl phosphates	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
685	Trimethylacetic acid	Y	S/P	2	2G	Cont	No			Yes	R	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.5, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.6, 16.2.9
686	(30%) Trimethylamine solution (30% or less)	Z	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14, 15.19, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
687	() Trimethylbenzene (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
688	Trimethylol propane propoxylated	Z	S/P	3	2G	Open	No	-	-	Yes	O	No	ABC	No	
689	2,2,4- -1,3- 2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
690	2,2,4- -1,3- -1- 2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
691	1,3,5- 1,3,5-Trioxane	Y	S/P	3	2G	Cont	No			No	R	F	AD	No	15.19.6, 16.2.9
692	Tripropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
693	() Trixylyl phosphate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.6
694	Tung oil	Y	S/P	2(k)	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
695	Turpentine	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
696	Undecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.6, 16.2.9
697	1- 1-Undecene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
698	Undecyl alcohol	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.9

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
699	/	Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Urea/Ammonium nitrate solution														
700	/ (1%)	Z	S/P	3	2G	Cont	No			NF	R	T	A	No	16.2.9
	Urea/Ammonium nitrate solution (containing less than 1% free ammonia)														
701	/	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
	Urea/Ammonium phosphate solution														
702		Z	P	3	2G	Open	No			Yes	O	No	A	No	
	Urea solution														
703	()	Y	S/P	3	2G	Cont	Inert	T3	IIB	No	R	F-T	A	No	15.4.6, 15.19.6
	Valeraldehyde (all isomers)														
704	(m)	Y	S/P	2	2G	Open	No	--	--	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Vegetable acid oils (m)														
705	(m)	Y	S/P	2	2G	Open	No	-	-	Yes	O	No	ABC	No	15.19.6, 16.2.6, 16.2.9
	Vegetable fatty acid distillates (m)														
706		Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.13, 15.19.6, 16.6.1, 16.6.2
	Vinyl acetate														
707		Z	S/P	2	1G	Cont	Inert	T3	IIB	No	C	F-T	A	E	15.4, 15.13, 15.14, 16.6.1, 16.6.2, 15.19.6
	Vinyl ethyl ether														
708		Y	S/P	2	2G	Cont	Inert	T2	IIA	No	R	F-T	B	Yes	15.13, 15.14, 15.19.6, 16.6.1, 16.6.2
	Vinylidene chloride														
709		Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2
	Vinyl neodecanoate														
710		Y	S/P	2	2G	Cont	No		IIA	No	R	F	AB	No	15.13, 15.19.6, 16.6.1, 16.6.2
	Vinyltoluene														

No	a	c	d	e	f	G	h	i'	i''	I'''	j	k	l	n	o
711		Y	P	2	2G	Open	No	--	--	Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Waxes														
712	15-20%	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9
	White spirit, low (15-20%) aromatic														
713		Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.9(h)
	Xylenes														
714	/ 10%	Y	P	2	2G	Cont	No	-	-	No	R	F	A	No	15.19.6
	Xylenes/ethylbenzene (10% or more) mixture														
715		Y	S/P	2	2G	Open	No	IIA	Yes	O	No	AB	No	15.19.6, 16.2.9	
	Xylenol														
716	(C7-C16)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6, 16.2.9
	Zinc alkaryl dithiophosphate (C7-C16)														
717		Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Zinc alkenyl carboxamide														
718	(C3-C14)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.6
	Zinc alkyl dithiophosphate (C3-C14)														

a		60		
b				
c			60	
d		60		60
e	-			
f				
g				
h				
i				Y
j				
k	e	73/78	II	4.1.3
l		0		
m	IBC	"		

18.1

18.2

18.3

Z

73/78

18.4

II 6.3

Z

OS

"

n.o.s

"

IBC

OS

Z

73/78

II

X Y Z

1	Acetone	Z
2	, n. o. s. Alcohol ic beverages, n. o. s.	Z
3	Apple juice	OS
4	- n-Butyl alcohol	Z
5	- sec-Butyl alcohol	Z
6	(50%) Calcium nitrate solutions (50% or less)	Z
7	Clay slurry	OS
8	Coal slurry	OS
9	Diethylene glycol	Z
10	Ethyl alcohol	Z
11	Ethylene carbonate	Z
12	Glucose solution	OS
13	Glycerine	Z
14	Hexamethyl enetetramine soluti ons	Z
15	Hexylene glycol	Z
16	Hydrogenated starch hydrolysate	OS
17	Isopropyl alcohol	Z
18	Kaolin slurry	OS
19	Lecithin	OS
20	Magnesium hydroxide slurry	Z

21	Maltitol solution	OS
22	(70%) N-Methyl glucamine solution (70% or less)	Z
23	Methyl propyl ketone	Z
24	Molasses	OS
25	11 n.o.s.(... ..) Cat. Z Noxious liquid, (11) n.o.s. (trade name, contains) Cat. Z	Z
26	12 n.o.s.(... ..) Cat. OS Non noxious liquid, (12) n.o.s. (trade name, contains) Cat. OS	OS
27	Orange juice (concentrated)	OS
28	Orange juice (not concentrated)	OS
29	Polyaluminium chloride solution	Z
30	3% Polyglycerin, sodium salt solution (containing less than 3% sodium hydroxide)	Z
31	Potassium formate solutions	Z
32	Propylene carbonate	Z
33	Propylene glycol	Z
34	Sodium acetate solutions	Z
35	Sodium sulphate solutions	Z
36	() Sorbitol solution	OS
37	Sulphonated polyacrylate solution	Z
38	/ 20% Tetraethyl silicate monomer/oligomer (20% in ethanol)	Z
39	Triethylene glycol	Z
40	Vegetable protein solution (hydrolysed)	OS
41	Water	OS

"

19.1

17 18

17 18

IBC

2001 2

*

19.2

19.3

Mono	Di	Tri	Tetra	Penta	Iso	Bis	Neo	Ortho	Cyclo
------	----	-----	-------	-------	-----	-----	-----	-------	-------

19.4

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

*

BLG 6/16 7.10

		17	
Abietic anhydride	ROSIN		
N,N- acedimethylamide	N,N- N,N-DIMETHYLACETAMIDE	17	
	80%	17	
Acetaldehyde cyanohydrin	LACTONITRILE SOLUTION (80% OR LESS)	17	1264
Acetaldehyde trimer	PARALDEHYDE	17	
ACETIC ACID		17	1715
Acetic acid anhydride	ACETIC ANHYDRIDE	17	1301
Acetic acid, ethenyl ester	VINYL ACETATE	17	
Acetic acid, methyl ester	METHYL ACETATE	17	1301
Acetic acid, vinyl ester	VINYL ACETATE	17	1715
ACETIC ANHYDRIDE		17	
Acetic ester	ETHYL ACETATE	17	
Acetic ether	ETHYL ACETATE	17	1715
Acetic oxide	ACETIC ANHYDRIDE	17	
Acetoacetic acid, methyl ester	METHYL ACETOACETATE	17	
Acetoacetic ester	ETHYL ACETOACETATE	17	
ACETOCHLOR		18	
ACETONE		17	1541
ACETONE CYANOHYDRIN		17	1648
ACETONITRILE ()		17	
ACETONITRILE(LOW PURITY GRADE)		17	1715

Acetyl anhydride	ACETIC ANHYDRIDE	17	1702
Acetylene tetrachloride	TETRACHLOROETHANE	17	1715
Acetyl ether	ACETIC ANHYDRIDE	17	1715
Acetyl oxide	ACETIC ANHYDRIDE	17	
ACID OIL MIXTURE FROM SOYABEAN,CORN(MAIZE)AND SUNFLOWER OIL REFINING			
-	β-	17	2368
Acintene	BETA-PINENE	17	2218
Acroleic acid	ACRYLIC ACID	17	2074
(50%)		17	2074
ACRYLAMIDE SOLUTION(50% OR LESS)		17	2218
ACRYLIC ACID		17	
2-	2-	17	
Acrylic acid, 2-hydroxyethyl ester	2-HYDROXYETHYL ACRYLATE	17	2074
50%	ACRYLAMIDE SOLUTION(50% OR LESS)	17	2074
Acrylic amide solution,50% or less		17	1247
Acrylic resin monomer	METHYL METHACRYLATE	17	1093
ACRYLONITRILE		17	
-		17	
ACRYLONITRILE-STYRENE COPOLYMER DISPERSION IN POLYETHER POLYOL			
(2-)	(2-)	17	
Adipic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE	17	2205
ADIPONITRILE		17	
90%		17	
ALACHLOR TECHNICAL (90% OR MORE)		18	
Alcohol	ETHYL ALCOHOL		

10		17
Alcohol, C10	DECYL ALCOHOL (ALL ISOMERS)	
11		17
Alcohol, C11	UNDECYL ALCOHOL	
12		17
Alcohol, C12	DODECYL ALCOHOL	
7	D	17
Alcohol, C7	HEPTANOL (ALL ISOMERS) (D)	
8		17
Alcohol, C8	OCTANOL (ALL ISOMERS)	
9		17
Alcohol, C9	NONYL ALCOHOL (ALL ISOMERS)	
		18
ALCOHOLIC BEVERAGES,		
N.O.S.		
2.5-9	9 -11	17
ALCOHOL (C9-C11) POLY (2.5-9)		
ETHOXYLATE		
3-6	6 -17	17
ALCOHOL (C6-C17)		
(SECONDARY)		
POLY(3-6)ETHOXYLATES		
7-12	6 -17	17
ALCOHOL (C6-C17)		
(SECONDARY)		
POLY(7-12)ETHOXYLATES		
1-6	12 -16	17
ALCOHOL (C12-C16) POLY(1-		
6)ETHOXYLATES		
20+	12 -16	17
ALCOHOL (C12-C16)		
POLY(20+)ETHOXYLATES		
7-19	12 -16	17
ALCOHOL (C12-C16)		
POLY(7-19)ETHOXYLATES		
13		17
ALCOHOLS (C13+)		
13 -15	13	17
Alcohols, C13 - C15	ALCOHOLS (C13+)	
(C8-C11),		17

ALCOHOLS (C8-C11), PRIMARY, LINEAR AND ESSENTIALLY LINEAR (C12-C13), ,	17	
ALCOHOLS (C12-C13), PRIMARY, LINEAR AND ESSENTIALLY LINEAR (C14+C18), ,	17	
ALCOHOLS (C14-C18), PRIMARY, LINEAR AND ESSENTIALLY LINEAR 5- -2- Aldehyde collidine	2- -5- 17	2300
Aldehyde collidine	2-METHYL-5-ETHYL PYRIDINE 17	2300
6 -9 ALKANES (C6-C9) 10 -11	17	
ISO- AND CYCLO-ALKANES (C10-C11) 12	17	
ISO- AND CYCLO-ALKANES (C12+) 10	17	
N-ALKANES (C10+) 10 -18 Alkane(C10-C18)sulfonic acid, phenyl ester	17	
(C9-C20)	17	ALKYL SULPHONIC ACID ESTER OF PHENOL
ALKARYL POLYETHERS (C9-C20) (C11+)	17	
ALKENYL (C11+) AMIDE 16 -20	17	
ALKENYL (C16-C20) SUCCINIC ANHYDRIDE -	17	
ALKYL ACRYLATE-VINYLPYRIDINE COPOLYMER IN TOLUENE	17	

40%		
0.02%		
ALKYLARYL PHOSPHATE		
MIXTURES (MORE THAN 40%		
DIPHENYL TOLYL		
PHOSPHATE, LESS THAN 0.02%		
ORTHOISOMERS)		
4 -9	17	
ALKYLATED (C4-C9)		
HINDERED		
PHENOLS	17	
12 -17		
ALKYLBENZENE,		
ALKYLINDANE,		
ALKYLINDENE MIXTURE		
(EACH C12-C17)	17	
ALKYL BENZENE		
DISTILLATION BOTTOMS		
50%)	17	
ALKYLBENZENE MIXTURES		
(CONTAINING AT LEAST 50%		
OF TOLUENE)		
(C3-C4)	17	
ALKYL (C3-C4) BENZENES		
5 -8	17	
ALKYL (C5-C8) BENZENES		
9	17	
ALKYL(C9+)BENZENES		
(C11-C17)	17	
ALKYL (C11-C17) BENZENE		
SULPHONIC ACID		
,	17	2584, 2586
ALKYLBENZENE SULPHONIC		
ACID, SODIUM SALT		
SOLUTION		
12	17	
ALKYL (C12+)		273
DIMETHYLAMINE	5	
19 -35	17	
ALKYL DITHIOCARBAMATE		
(C19-C35)		

6 -24	17	
ALKYLDITHIOTHIAZOLE		
(C6-C24)		
4 -20	17	
ALKYL ESTER COPOLYMER		
(C4-C20)		
8 -10 /12 -14 40	17	
/60 55		
ALKYL (C8-C10)/(C12-C14):(40%		
OR		
LESS/60% OR MORE)		
POLYGLUCOSIDE		
SOLUTION (55% OR LESS)		
8 -10 /12 -14 60	17	
/40 55		
ALKYL (C8-C10)/(C12-C14):(60%		
OR		
MORE/40% OR LESS)		
POLYGLUCOSIDE		
SOLUTION(55% OR LESS)		
(C7-C9)	17	
ALKYL (C7-C9) NITRATES		
2,2'- [3-(16 -18)	16	17
]	ETHOXYLATED LONG CHAIN (C16+)	
2,2'-	ALKYLOXYALKYLAMINE	
[3-(Alkyl(C16-C18)oxy)propylimino]		
diethanol		
(C7-C11) (4-12)	17	
ALKYL(C7-C11)PHENOL		
POLY(4-12) ETHOXYLATE		
8 -40	17	
ALKYL (C8-C40) PHENOL		
SULPHIDE		
8 -9	17	1993
ALKYL (C8-C9) PHENYLAMINE		
IN		
AROMATIC SOLVENTS		
9 -15	17	
ALKYL (C9-C15) PHENYL		

PROPOXYLATE			
C8-C10 (C12-C14)		17	
50%/50% (55%)			
)			
ALKYL (C8-C10)			
POLYGLUCOSIDE SOLUTION			
(65% OR LESS)			
8 -10 /12 -14 50 /50		17	
55			
ALKYL			
(C8-C10)/(C12-C14):(50%/50%)			
POLYGLUCOSIDE SOLUTION			
(55% OR LESS)			
12 -14 55		17	
ALKYL (C12-C14)			
POLYGLUCOSIDE			
SOLUTION (55% OR LESS)			
10 -20		17	
ALKYL(C10-C20, SATURATED			
AND UNSATURATED)			
PHOSPHITE			
		17	
ALKYL SULPHONIC ACID			
ESTER OF PHENOL			
3-16-18 -N,N'- (2-) 16		17	
-1-	ETHOXYLATED LONG CHAIN (C16+)		
3-Alky(C16-C18)oxy-N,N'-bis(2-	ALKYLOXYALKYLAMINE		
hydroxyethyl)propan-1-amine		17	1098
ALLYL ALCOHOL			
		17	1100
ALLYL CHLORIDE			
		18	
Aluminium silicate hydroxide	KAOLIN SLURRY		
		17	
ALUMINIUM SULPHATE			
SOLUTION			
		17	
Aminoacetic acid, sodium salt	GLYCINE, SODIUM SALT SOLUTION		
solution			
1- -3- -3,5,5-	()	17	2289

ISOPHORONEDIAMINE			
1-Amino-3-aminomethyl-3,5,5-trimethylcyclohexane		17	1547
Aminobenzene	ANILINE		
1-		17	1125,1214
1-Aminobutane	BUTYLAMINE (ALL ISOMERS)		
2-		17	1125,1214
2-Aminobutane	BUTYLAMINE (ALL ISOMERS)		
		17	2357
Aminocyclohexane	CYCLOHEXYLAMINE		
		17	1036
Aminoethane	ETHYLAMINE		
72%	72%	17	2270
Aminoethane solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)		
2-		17	2491
2-Aminoethanol	ETHANOLAMINE		
2-(2-)		17	3055
2-(2-AMINOETHOXY)			
ETHANOL			
2-(2-)		17	
2-(2-Aminoethylamino)ethanol	AMINOETHYL ETHANOLAMINE		
//		17	
AMINOETHYLDIETHANOLAMINE/AMINOETHYLETHANOLAMINE SOLUTION			
		17	
AMINOETHYLETHANOLAMINE			
N-(2-) ()		17	2079
N-(2-aminoethyl)ethylenediamine	DIETHYLENTRIAMINE		
1- 2-	-	17	2815
1-(2-Aminoethyl)piperazine	N-AMINOETHYLPIPERAZINE		
-			2815
N-AMINOETHYLPIPERAZINE			
2-		17	1125,1214
2-Aminoisobutane	BUTYLAMINE (ALL ISOMERS)		
	42%	17	1235
Aminomethane	METHYLAMINE SOLUTIONS (42% OR LESS)		
42%	42%	17	1235
Aminomethane solutions, 42% or less	METHYLAMINE SOLUTIONS (42% OR LESS)		
1- -2-	-	17	1708

1-Amino-2-methylbenzene	O-TOLUIDINE		
1- -1-	-	17	1708
2-Amino-1-methylbenzene	O-TOLUIDINE		
2- -2- -1-		17	
2-AMINO-2-METHYL-1-PROPANOL			
3- -3,5,5-		17	2289
3-Aminomethyl-3,5,5-trimethylcyclohexylamin	ISOPHORONEDIAMINE		
		17	1547
Aminophen	ANILINE		
1-		17	1277
1-Aminopropane	N-PROPYLAMINE		
2-		17	1221
2-Aminopropane	ISOPROPYLAMINE		
2- 70%	70%	17	
2-Aminopropane (70% or less) solution	ISOPROPYLAMINE (70% OR LESS) SOLUTION		
1- -2-		17	
1-Amino-2-propanol	ISOPROPANOLAMINE		
1- -2-		17	
1-Aminopropan-2-ol	ISOPROPANOLAMINE		
3- 1-	N-	17	
3-Aminopropan-1-ol	N-PROPANOLAMINE		
2-	-	17	1708
2-Aminotoluene	O-TOLUIDINE		
o-	-	17	1708
o-Aminotoluene	O-TOLUIDINE		
5- -1,3,3-		17	2289
5-Amino-1,3,3-trimethylcyclohexylmethylamin	ISOPHORONEDIAMINE		
28%	28%	17	2672
AMMONIA AQUEOUS (28% OR LESS)	AMMONIA AQUEOUS (28% OR LESS)		
28%	28%	17	
Ammonia water, 28% or less	AMMONIA AQUEOUS (28% OR LESS)		
		17	
AMMONIUM HYDROGEN PHOSPHATE SOLUTION			
28%	28%	17	2672
Ammonium hydroxide, 28% or less	AMMONIA AQUEOUS (28% OR LESS)		
93%		17	

AMMONIUM NITRATE SOLUTION (93% OR LESS)		17	
AMMONIUM POLYPHOSPHATE SOLUTION		17	
AMMONIUM SULPHATE SOLUTION 45%		17	2683
AMMONIUM SULPHIDE SOLUTION (45% OR LESS) (60%)		17	
AMMONIUM THIOSULPHATE SOLUTION (60% OR LESS)		17	1104
AMYL ACETATE (ALL ISOMERS)		17	1104
Amyl acetate, commercial	AMYL ACETATE (ALL ISOMERS)	17	1104
n-Amyl acetate	AMYL ACETATE (ALL ISOMERS)	17	1104
sec-Amyl acetate	AMYL ACETATE (ALL ISOMERS)	17	1104
Amylacetic ester	AMYL ACETATE (ALL ISOMERS)	17	1104
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	2058
Amyl carbinol	HEXANOL	17	2282
- -		17	
alpha-n-Amylene	PENTENE (ALL ISOMERS)		

		17	
Amylene hydrate	TERT-AMYL ALCOHOL		
-		17	
tert-Amylenes	PENTENE (ALL ISOMERS)		
		17	2271
Amyl ethyl ketone	ETHYL AMYL KETONE		
		17	
Amyl hydrate	N-AMYL ALCOHOL		
		17	1265
Amyl hydride	PENTANE (ALL ISOMERS)		
		17	1993
TERT-AMYL METHYL ETHER			
		17	1110
n-Amyl methyl ketone	METHYL AMYL KETONE		
		17	1993
n-Amyl propionate	N-PENTYL PROPIONATE		
		17	1155
Anaesthetic ether	DIETHYL ETHER		
		17	1547
ANILINE			
		17	1547
Aniline oil	ANILINE		
		17	
Anilinobenzene	DIPHENYLAMINE (MOLTEN)		
		17	
Anthracene oil (coal tar fraction)	COAL TAR		
		17	1199
Ant oil, artificial	FURFURAL		
		18	
APPLE JUICE			
	70%		
Aqua fortis	NITRIC ACID (70% AND OVER)	17	2031,2032
		18	
Argilla	KAOLIN SLURRY		
(11 -50)		17	
ARYL POLYOLEFINS (C11-C50)			
8		17	
95-120°C			
AVIATION ALKYLATES (C8			
PARAFFINS AND ISO-PARAFFINS			
BPT 95 - 120°C)			
		17	2493
Azacycloheptane	HEXAMETHYLENEIMINE		

3- -1,5-		17	2079
3-Azapentane-1,5-diamine	DIETHYLENTRIAMINE		
		17	2493
Azepane	HEXAMETHYLENEIMINE		
	70%	17	2031,2032
Azotic acid	NITRIC ACID (70% AND OVER)		
		17	1104
Banana oil	AMYLACETATE (ALL ISOMERS)		
11 -50		17	2810
BARIUM LONG CHAIN			
(C11-C50) ALKARYL			
SULPHONATE			
30%	(C13+)	17	
	CALCIUM LONG-CHAIN ALKYL SALICYLATE		
Basic calcium alkyl salicylate in	(C13+)		
approximately 30%			
mineral oil		17	1830
Battery acid	SULPHURIC ACID		
	13	17	
Behenyl alcohol	ALCOHOLS (C13+)		
	2- -5-	17	2300
Benzenamine	2-METHYL-5-ETHYL PYRIDINE		
1,2-		17	
1,2-Benzenedicarboxylic acid, diethyl	DIETHYL PHTHALATE		
ester			
1,2-		17	
1,2-Benzenedicarboxylic acid,	DIUNDECYL PHTHALATE		
diundecyl ester			
10% I		17	1114
BENZENE AND MIXTURES			
HAVING 10%			
BENZENE OR MORE (I)			2225
BENZENE SULPHONYL			
CHLORIDE		17	
BENZENETRICARBOXYLIC			
ACID, TRIOCTYL ESTER		17	2312
Benzenol	PHENOL		
	10% I	17	1114
Benzol	BENZENE AND MIXTURES HAVING 10%		

	BENZENE OR MORE (I)		
	10% I	17	1114
Benzole	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)		
		17	2312
Benzophenol	PHENOL		
-2- ()	,	17	
Benzothiazole-2-thiol(, sodium salt)	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION		
2- ()		17	
2-Benzothiazolethiol(, sodium salt)	MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION		
(2-)	,	17	
(2-Benzothiazolythio) sodium solution	MERCAPTOBENZOTHAZOL SODIUM SALT SOLUTION		
		17	
BENZYL ACETATE			
		17	
BENZYL ALCOHOL			
		17	
Benzyl butyl phthalate	BUTYL BENZYL PHTHALATE		
			1738
BENZYL CHLORIDE			
	β-	17	
Betaprone	BETA-PROPIOLACTONE		
		17	
Betula oil	METHYL SALICYLATE		
	40%	17	
Biformyl	GLYOXAL SOLUTION (40% OR LESS)		
		17	
Bihexyl	DODECANE (ALL ISOMERS)		
		17	
Biphenyl	DIPHENYL		
()		17	
Bis(methylcyclopentadiene)	METHYLCYCLOPENTADIENE DIMER		
2,5 (7)-1,3,4-	6 -24	17	
2,5-Bis(alkyl(C7+)thio)-1,3,4-thiadiazole	ALKYLDITHIOTHIAZOLE (C6-C24)		
(2-)		17	2079
Bis(2-aminoethyl)amine	DIETHYLENETRIAMINE		
N,N'- (2-) -1,2-		17	2259
N,N'-Bis(2-aminoethyl)ethane-1,2-diamine	TRIETHYLENETETRAMINE		

N,N'- (2-)		17	2259
N,N'-Bis(2-aminoethyl)ethylenediamine	TRIETHYLENETETRAMINE		
N,N'- (2-)		17	
N,N-Bis(2-(bis(carboxymethyl)amino)ethyl)glycine, pentasodium salt	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION		
Bis(2-butoxyethyl) ether	DIETHYLENE GLYCOL DIBUTYL ETHER	17	
N,N- ()		17	
N,N- Bis(carboxymethyl)glycine trisodium salt	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION		
()		17	1916
Bis(chloroethyl) ether	DICHLOROETHYL ETHER		
(2-)		17	1916
Bis(2-chloroethyl) ether	DICHLOROETHYL ETHER		
(2-)	2,2'-	17	2490
Bis (2-chloroisopropyl) ether	2,2'-DICHLOROISOPROPYL ETHER		
(2- -1-)	2,2'-	17	2490
Bis(2-chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER		
1,1 (4-(2,3-))	A	17	
1,1-Bis[4-(2,3-epoxypropoxy)phenyl]ethane	DIGLYCIDYL ETHER OF BISPHENOL A		
(4-(2,3-))	F	17	
Bis[2-(2,3-epoxypropoxy)phenyl]methane	DIGLYCIDYL ETHER OF BISPHENOL F		
(4-(2,3-))		17	
Bis(2-ethoxyethyl) ether	DIETHYLENE GLYCOL DIETHYL ETHER		
(2-)	-(2-)	17	
Bis(2-ethylhexyl) adipate	DI-(2-ETHYLHEXYL) ADIPATE		
(2-)	-(2-))	17	1902
Bis(2-ethylhexyl) hydrogen phosphate	DI-(2-ETHYLHEXYL) PHOSPHORIC ACID		
(2-)		17	
Bis(2-ethylhexyl) phthalate	DIOCTYL PHTHALATE		
(2-)		17	
Bis(2-hydroxyethyl)amine	DIETHANOLAMINE		
(2-) 2,4-	2,4- ,	17	
Bis(2-hydroxyethyl)ammonium 2,4-dichlorophenoxyacetate	2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION		
(2-)		18	

Bis(2-hydroxyethyl) ether (2-)	DIETHYLENE GLYCOL	17	
Bis(2-hydroxypropyl)amine (6-)	DIISOPROPANOLAMINE	17	
Bis(6-methylheptyl) phthalate	DIOCTYL PHTHALATE	18	
Blackstrap molasses	MOLASSES	18	
Bolus alba : (2-8)	KAOLIN SLURRY	17	
(C2-C3) / (C2-C10) (C1-C4)			
BRAKE FLUID BASE MIX:			
POLY(2-8)ALKYLENE (C2-C3)			
GLYCOLS/POLYALKYLENE			
(C2-C10) GLYCOLS			
MONOALKYL (C1-C4) ETHERS			
AND THEIR BORATE ESTERS			
Bran oil	FURFURAL	17	1199
Brimstone	SULPHUR (MOLTEN)	17	2448
BROMOCHLOROMETHANE			
Butaldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	1129
Butanal	BUTYRALDEHYDE (ALL ISOMERS)	17	1129
n-		17	1129
n-Butanal	BUTYRALDEHYDE (ALL ISOMERS)		
-1,3-		17	
Butane-1,3-diol	BUTYLENE GLYCOL		
-1,4-		17	
Butane -1,4-diol	BUTYLENE GLYCOL		
-2,3-		17	
Butane-2,3-diol	BUTYLENE GLYCOL		
1,3-		17	
1,3-Butanediol	BUTYLENE GLYCOL		
1,4-		17	
1,4-Butanediol	BUTYLENE GLYCOL		
2,3-		17	

2,3-Butanediol	BUTYLENE GLYCOL	17	2820
Butanoic acid	BUTYRIC ACID		
	-	18	
Butanol	N-BUTYL ALCOHOL		
-1	-	18	
Butanol-1	N-BUTYL ALCOHOL		
-1-	-	18	
Butan-1-ol	N-BUTYL ALCOHOL		
-2-		18	
Butan-2-ol	SEC-BUTYL ALCOHOL		
1-		18	
1-Butanol	N-BUTYL ALCOHOL		
2-		18	
2-Butanol	SEC-BUTYL ALCOHOL		
	()	17	1123
Butanol acetate	BUTYL ACETATE (ALL ISOMERS)		
2	()	17	1123
2-Butanol acetate	BUTYL ACETATE (ALL ISOMERS)		
-4—	γ-	17	
Butan-4-olide	GAMMA-BUTYROLACTONE		
1,4-4	γ-	17	
1,4-Butanolide	GAMMA-BUTYROLACTONE		
n-		18	
n-Butanol	N-BUTYL ALCOHOL		
		18	
sec-Butanol	SEC-BUTYL ALCOHOL		
		17	
tert-Butanol	TERT-BUTYL ALCOHOL		
-2-		17	
Butan-2-one	METHYL ETHYL KETONE		
2-		17	
2-Butanone	METHYL ETHYL KETONE		
2-		17	1143
2-Butenal	CROTONALDEHYDE		
		17	
Butene dimer	OCTENE (ALL ISOMERS)		
BUTENE OLIGOMER			
1-	-	17	1149
1-Butoxybutane	N-BUTYL ETHER		
2-		17	
2-Butoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS		

2- -		17	
2-tert-butoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Butoxyethoxy)ethanol	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL(C1-C6) ETHER		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Butoxyethoxy)ethyl acetate	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL (C1-C6) ETHER ACETATE		
2-		17	
2-Butoxyethyl acetate	ETHYLENE GLYCOL BUTYL ETHER		
	ACETATE		
1- -2-		17	
1-Butoxypropan-2-ol	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	1123
Butyl acetate	BUTYL ACETATE (ALL ISOMERS)		
		17	1123
BUTYL ACETATE (ALL ISOMERS)			
		17	1123
n-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)		
		17	1123
sec-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)		
		17	1123
tert-Butyl acetate	BUTYL ACETATE (ALL ISOMERS)		
		17	2348
BUTYL ACRYLATE (ALL ISOMERS)			
		17	2348
n-Butyl acrylate	BUTYL ACRYLATE (ALL ISOMERS)		
		18	
Butyl alcohol	N-BUTYL ALCOHOL		
		18	
N-BUTYL ALCOHOL			
		18	
SEC-BUTYL ALCOHOL			
		17	
TERT-BUTYL ALCOHOL			
		17	1129
n-Butyl aldehyde	BUTYRALDEHYDE (ALL ISOMERS)		
		17	1125 1214
BUTYLAMINE (ALL ISOMERS)			
		17	1125 1214
n-Butylamine	BUTYLAMINE (ALL ISOMERS)		

sec-Butylamine	BUTYLAMINE (ALL ISOMERS)	17	1125	1214
tert-Butylamine	BUTYLAMINE (ALL ISOMERS)	17	1125	1214
BUTYLBENZENE (ALL ISOMERS)		17	2709	
tert-Butylbenzene	BUTYLBENZENE (ALL ISOMERS)	17	2709	
BUTYL BENZYL PHTHALATE		17		
	()	17		
Butyl butanoate	BUTYL BUTYRATE (ALL ISOMERS)	17		
BUTYL BUTYRATE (ALL ISOMERS)		17		
	()	17		
n-Butyl butyrate	BUTYL BUTYRATE (ALL ISOMERS)	17		
- 1-		17		
n-Butylcarbinol	N-AMYL ALCOHOL	17		
	(2-8) (C1-C6)	17		
Butyl carbitol	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17		
	(2-8) (C1-C6)	17		
Butyl carbitol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17		
		17		
Butyl cellosolve	ETHYLENE GLYCOL MONOALKYL ETHERS	17		
		17		
Butyl cellosolve acetate	ETHYLENE GLYCOL BUTYL ETHER ACETATE	17		
/ / /		17		
BUTYL/DECYL/CETYL/EICOSYL				
L				
METHACRYLATE MIXTURE				
/ / /	/ / /	17		
1	BUTYL/DECYL/CETYL/EICOSYL			
Butyl/decyl/hexadecyl/icosyl	METHACRYLATE MIXTURE			
methacrylate mixtu	(2-8) (C1-C6)	17		
Butyl diglycol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE			

		17	
BUTYLENE GLYCOL			
-		17	
alpha-Butylene glycol	BUTYLENE GLYCOL		
β-		17	
beta-Butylene glycol	BUTYLENE GLYCOL		
	3- -1-	17	
Butylene glycol momomethyl ether	3-METHOXY-1-BUTANOL		
	3-	17	
Butylene glycol monomethyl ether acetate	3-METHOXYBUTYL ACETATE		
		17	2056
Butylene oxide	TETRAHYDROFURAN		
		17	3022
1,2-BUTYLENE OXIDE			
		17	1123
Butyl ester	BUTYL ACETATE (ALL ISOMERS)		
		17	1123
Butyl ethanoate	BUTYL ACETATE (ALL ISOMERS)		
		17	1149
Butyl ether	N-BUTYL ETHER		
		17	1149
N-BUTYL ETHER			
	()	17	
Butylethylacetic acid	OCTANOIC ACID (ALL ISOMERS)		
		17	2370
Butylethylene	HEXENE (ALL ISOMERS)		
-		17	1193
tert-Butyl ethyl ether	ETHYL TERT-BUTYL ETHER		
		17	
Butylic ether	BUTYL ACETATE (ALL ISOMERS)		
		17	
iso-Butyl ketone	DIISOBUTYL KETONE		
		17	
BUTYL METHACRYLATE			
-		17	
tert-Butyl methyl ether	METHYL TERT-BUTYL ETHER		
		17	1224
Butyl methyl ketone	METHYL BUTYL KETONE		
		17	
Butyl phthalate	DIBUTYL PHTHALATE		
		17	1914
N-BUTYL PROPIONATE			

		17	1129
BUTYRALDEHYDE (ALL ISOMERS)			
		17	
n-Butyraldehyde	BUTYRALDEHYDE (ALL ISOMERS)		
		17	2820
BUTYRIC ACID			
		17	2820
n-Butyric acid	BUTYRIC ACID		
		18	
Butyric alcohol	N-BUTYL ALCOHOL		
		17	1129
Butyric aldehyde	BUTYRALDEHYDE (ALL ISOMERS)		
γ-		17	
GAMMA-BUTYROLACTONE			
		17	2052
Cajeputene	DIPENTENE		
()	(C13+)	17	
() (LOA)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)		
Calcium alkyl(longchain) salicylate (overbased) in mineral oil (LOA)			
	(C13+)	17	
Calcium alkyl salicylate	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)		
(-)	(C13+)	17	
Calcium bis(O-alkylsalicylate)	CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)		
/		17	
Calcium bromide / zinc bromide solution	DRILLING BRINES (CONTAINING ZINC SALTS)		
		17	
CALCIUM CARBONATE SLURRY			
		17	
CALCIUM HYPOCHLORITE SOLUTION (15% OR LESS)			
15		17	
CALCIUM HYPOCHLORITE SOLUTION			

(MORE THAN 15%)		
5 -10		17
CALCIUM LONG-CHAIN ALKYL(C5-C10) PHENATE		
11 -40		17
CALCIUM LONG-CHAIN ALKYL(C11-C40) PHENATE		
8 -40		17
CALCIUM LONG-CHAIN ALKYL PHENATE SULPHIDE (C8-C40) (C13+)		17
CALCIUM LONG-CHAIN ALKYL SALICYLATE (C13+)		
/ /		17
CALCIUM NITRATE/MAGNESIUM NITRATE/POTASSIUM CHLORIDE SOLUTION (50%)		18 1454
CALCIUM NITRATE SOLUTIONS (50% OR LESS)		
		18
Cane molasses	MOLASSES (, 4%)	17
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
-		17
alpha-Caproic acid	OCTANOIC ACID (ALL ISOMERS) - ()	17
Caprolactam	EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)	

- ()		17	
EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)			
Caproyl alcohol	HEXANOL	17	2282
Capryl alcohol	OCTANOL (ALL ISOMERS)	17	
Caprylic acid	OCTANOIC ACID (ALL ISOMERS)	17	
Caprylyl acetate	N-OCTYL ACETATE	17	
Carbamide	UREA SOLUTION	17	
Carbinol	METHYL ALCOHOL		
	(2-8) (C1-C6)	17	
Carbitol acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE		
	(2-8) (C1-C6)	17	
Carbitol solvent	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
		17	2312
Carbolic acid	PHENOL		
		17	1131
Carbon bisulphide	CARBON DISULPHIDE		
		17	1131
CARBON DISULPHIDE			
		17	1846
CARBON TETRACHLORIDE			
		17	
Carbonyldiamide	UREA SOLUTION		
		17	
Carbonyldiamine	UREA SOLUTION		
1,3-		18	
1,3-Carbonyl dioxypropane	PROPYLENE CARBONATE		
()		17	
	DIETHYLENTRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION		
Carboxyethyliminobis(ethylenenitrilo)tetraacetic acid, pentasodium salt			
()		17	

CASHEW NUT SHELL OIL

(UNTREATED)

(2%)		17	
CASTOR OIL (CONTAINING LESS THAN 2% FREE FATTY ACIDS)		17	1814
Caustic potash solution	POTASSIUM HYDROXIDE SOLUTION	17	1824
Caustic soda	SODIUM HYDROXIDE SOLUTION	17	1824
Caustic soda solution	SODIUM HYDROXIDE SOLUTION	17	1824
Cellosolve acetate	2-ETHOXYETHYL ACETATE	17	1172
Cellosolve solvent	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
() /		17	
CETYL/EICOSYL METHACRYLATE MIXTURE			
()	13	17	
Cetyl / stearyl alcohol	ALCOHOLS (C13+)	18	
China clay	KAOLIN SLURRY		
10 -13		17	
CHLORINATED PARAFFINS (C10-C13)			
(C14-C17) (50% , 1% C13)		17	
CHLORINATED PARAFFINS (C14-C17) (WITH 50% CHLORINE OR MORE, AND LESS THAN 1% C13 OR SHORTER CHAINS)		17	1750
CHLOROACETIC ACID (80% OR LESS)			
-	1,3-	17	2047
alpha-Chloroallyl chloride	1,3-DICHLOROPROPENE		

Chloroallylene	ALLYL CHLORIDE	17	1100
		17	1134
CHLOROBENZENE			
Chlorobenzol	CHLOROBENZENE	17	
Chlorobromomethane	BROMOCHLOROMETHANE	17	
1- -2-(β-)		17	1916
1-Chloro-2-(beta-chloroethoxy)ethane	DICHLOROETHYL ETHER		
1- -2,3-		17	2023
1-Chloro-2,3-epoxypropane	EPICHLOROHYDRIN		
-2	2-	17	1135
Chloroethanol-2	ETHYLENE CHLOROXYDRIN		
2-	2-	17	1135
2-Chloroethanol	ETHYLENE CHLOROXYDRIN		
2- - - -6- - -		17	
-	ACETOXYLOR		
2-Chloro-N-ethoxymethyl-6'-ethylacetamide			
2- - - - (2-)-6-		17	
)	ACETOXYLOR		
2-Chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide			
2-	2-	17	1135
2-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN		
β-	2-	17	1135
beta-Chloroethyl alcohol	ETHYLENE CHLOROXYDRIN		
		17	1916
Chloroethyl ether	DICHLOROETHYL ETHER		
2- -6' - (2- -1-	N-(2- -1-)-2- -6-	17	
) -	N-(2-METHOXY-1-METHYL		
2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide	ETHYL)-2-ETHYL-6-METHYL		
	CHLOROACETANILIDE		
2- -N-(2- -6-)-N-(2-	N-(2- -1-)-2- -6-	17	
-1-) -N-	N-(2-METHOXY-1-METHYL		
2-Chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide	ETHYL)-2-ETHYL-6-METHYL		
	CHLOROACETANILIDE		
		17	1888
CHLOROFORM			

		17	
CHLOROHYDRINS (CRUDE)			
-		17	2238
m-Chloromethylbenzene	M-CHLOROTOLUENE		
-		17	2238
o-Chloromethylbenzene	O-CHLOROTOLUENE		
-		17	2238
p-Chloromethylbenzene	P-CHLOROTOLUENE		
		17	2023
Chloromethylethylene oxide	EPICHLOROHYDRIN		
(2- -1-)	2,2'-	17	2490
(2-Chloro-1-methylethyl) ether	2,2'-DICHLOROISOPROPYL ETHER		
2- -1-	2,2'-	17	2490
2-Chloro-1-methylethyl ether	2,2'-DICHLOROISOPROPYL ETHER		
		17	2023
Chloromethyloxirane	EPICHLOROHYDRIN		
4- -2-		17	
4-CHLORO-2-METHYLPHENOX			
YACETIC ACID,			
DIMETHYLAMINE SALT			
SOLUTION			
1- -2-	-	17	1578
1-Chloro-2-nitrobenzene	O-CHLORONITROBENZENE		
-		17	1578
O-CHLORONITROBENZENE			
1-(4-)-4,4- -3-		17	
1-(4-CHLOROPHENYL)-4,4-			
DIMETHYLPENTAN-3-ONE			
2- or 3-	2- 3-	17	2511
2- or 3- Chloropropanoic acid	2- OR 3-CHLOROPROPIONIC ACID		
3-		17	1100
3-Chloropropene	ALLYL CHLORIDE		
2- 3-		17	2511
2- OR 3-CHLOROPROPIONIC			
ACID			
- β-	2- 3-	17	2511
alpha- or beta- Chloropropionic acid	2- OR 3-CHLOROPROPIONIC ACID		
3-		17	1100
3-Chloropropylene	ALLYL CHLORIDE		
-		17	1100
alpha-Chloropropylene	ALLYL CHLORIDE		
		17	2023

Chloropropylene oxide	EPICHLOROHYDRIN	17	1754
CHLOROSULPHONIC ACID		17	1754
Chlorosulphuric acid	CHLOROSULPHONIC ACID	17	2238
3-		17	2238
3-Chlorotoluene	M-CHLOROTOLUENE	17	2238
4--	-	17	2238
4-Chlorotoluene	P-CHLOROTOLUENE	17	1738
α-		17	2238
alpha-Chlorotoluene	BENZYL CHLORIDE	17	2238
M-CHLOROTOLUENE		17	2238
O-CHLOROTOLUENE		17	2238
-		17	2238
P-CHLOROTOLUENE		17	2238
()		17	2238
CHLOROTOLUENES (MIXED ISOMERS)		17	
CHOLINE CHLORIDE SOLUTIONS		17	2052
Cinene	DIPENTENE	17	2052
Cinnamene	STYRENE MONOMER	17	2052
Cinnamol	STYRENE MONOMER	17	2215
cis-Butenedioic anhydride	MALEIC ANHYDRIDE	17	
-9-		17	
cis-9-Octadecenoic acid	OLEIC ACID	17	
-1,3-	1,3-	17	
cis-1,3-Pentadiene	1,3-PENTADIENE	17	
- -1,3-	1,3-	17	
cis-trans-1,3-Pentadiene	1,3-PENTADIENE	17	
70%		17	
CITRIC ACID (70% OR LESS)		18	
CLAY SLURRY		17	1300
	, (15-20%) WHITE SPIRIT,	17	1300

Cleaning solvents	LOW (15-20%) AROMATIC	18
COAL SLURRY		17
Coal tar distillate	COAL TAR NAPHTHA SOLVENT	
COAL TAR NAPHTHA SOLVENT		
COAL TAR PITCH (MOLTEN)		
COCOA BUTTER		
5%		17
COCONUT OIL (CONTAINING LESS THAN 5% FREE FATTY ACIDS)		17
COCONUT OIL FATTY ACID		
COCONUT OIL FATTY ACID METHYL ESTER		17
Colamine	ETHANOLAMINE	18
Cologne spirits	ETHYL ALCOHOL	17
Colonial spirit	METHYL ALCOHOL	17
Colophony	ROSIN	17
Columbian spirit	METHYL ALCOHOL	17
Columbian spirits	METHYL ALCOHOL	17
(C17+) COPPER SALT OF LONG CHAIN (C17+) ALKANOIC ACID		17
CORN OIL		17
COTTON SEED OIL		17
CREOSOTE (COAL TAR)		17

		17	
Creosote salts	NAPHTHALENE (MOLTEN)		
		17	2076
CRESOLS (ALL ISOMERS)		17	
CRESYLIC ACID, DEPHENOLIZED		17	
	()	17	
Crelylic acids	CRESOLS (ALL ISOMERS)	17	
CRESYLIC ACID, SODIUM SALT SOLUTION		17	
	()	17	2076
Crelylols	CRESOLS (ALL ISOMERS)	17	1143
CROTONALDEHYDE		17	1143
Crotonic aldehyde	CROTONALDEHYDE	17	
Cumene	PROPYLBENZENE (ALL ISOMERS)	17	
Cumol	PROPYLBENZENE (ALL ISOMERS)	17	
Cyanoethylene	ACRYLONITRILE	17	
2- -2-		17	
2-Cyano-2-propanol	ACETONE CYANOHYDRIN	17	
2- -2-		17	
2-Cyanopropan-2-ol	ACETONE CYANOHYDRIN	17	
2- -1		17	
2-cyanopropene-1	METHACRYLONITRILE	18	
Cyclic propylene carbonate	PROPYLENE CARBONATE	17	
1,5,9- 1,5,9-CYCLODODECATRIENE		17	2241
CYCLOHEPTANE		17	2493
Cyclohexamethylenimine	HEXAMETHYLENEIMINE	17	1145
CYCLOHEXANE		17	
CYCLOHEXANOL		17	1915

CYCLOHEXANONE		17	
CYCLOHEXANONE, CYCLOHEXANOL MIXTURE			
	10% I	17	1114
Cyclohexatriene	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17	2243
CYCLOHEXYL ACETATE		17	2357
CYCLOHEXYLAMINE		17	2264
	N,N-	17	2264
Cyclohexyldimethylamine	N,N-DIMETHYLCYCLOHEXYLAMINE		
()	N-	17	
Cyclohexyl(ethyl)amine	N-ETHYLCYCLOHEXYLAMINE	17	1915
Cyclohexyl ketone	CYCLOHEXANONE	17	2296
Cyclohexylmethane	METHYLCYCLOHEXANE	17	
1,3- ()		17	
1,3-CYCLOPENTADIENE DIMER (MOLTEN)		17	1146
CYCLOPENTANE		17	2246
CYCLOPENTENE		17	2056
Cyclotetramethylene oxide	TETRAHYDROFURAN	17	2046
P-CYMENE		17	2046
	P-CYMENE		
Cymol	2,2- 2,2-DICHLOROPROPIONIC ACID	17	
ISO			
Dalapon (ISO)		17	2051
Deanol	DIMETHYLETHANOLAMINE	17	
DECAHYDRONAPHTHALENE		17	
DECANOIC ACID			

-l-		17
Decan-1-ol	DECYL ALCOHOL (ALL ISOMERS)	17
n-Decanol	DECYL ALCOHOL (ALL ISOMERS)	17
Decanoic acid	DECANOIC ACID	17
DECENE		17
Decoic acid	DECANOIC ACID	17
DECYL ACRYLATE		17
DECYL ACRYLATE		17
Decyl alcohol	DECYL ALCOHOL (ALL ISOMERS)	17
DECYL ALCOHOL (ALL ISOMERS)		17
Decylbenzene	9 ALKYL(C9+)BENZENES	17
Decylic acid	DECANOIC ACID	17
Decyl octyl adipate	OCTYL DECYL ADIPATE	17
DECYLOXYTETRAHYDROTHIOPHENE DIOXIDE		17
1- -l- -D-	N- (70%)	18
1-Deoxy-1-methylamino-D-glucitol	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)	17
Detergent alkylate	9 ALKYL(C9+)BENZENES	17
Diacetic ester	ETHYL ACETOACETATE	17
Diacetone	DIACETONE ALCOHOL	17
DIACETONE ALCOHOL		17
[/ (10 -20)]	10 -20 () ALKYL(C10-C20, SATURATED AND	17

Di[alkyl/alkenyl(C10-C20)] hydrogen phosphite	UNSATURATED) PHOSPHITE		
8 -9		17	
DIALKYL (C8-C9)			
DIPHENYLAMINES			
7 -13		17	
DIALKYL (C7-C13)			
PHTHALATES			
1,2-	()	17	
1,2-Diaminoethane	ETHYLENEDIAMINE		
1,6-		17	1604
1,6-Diaminohexane	HEXAMETHYLENEDIAMINE (MOLTEN)		
1,6-		17	
1,6-Diaminohexane solutions	HEXAMETHYLENEDIAMINE SOLUTION		
2,6-	- 60%	17	
2,6-Diaminohexanoic acid	L-LYSINE SOLUTION (60% OR LESS)		
		17	1709
Diaminotoluene	TOLUENEDIAMINE		
2 4-		17	1709
2,4-Diaminotoluene	TOLUENEDIAMINE		
2 6		17	1709
2,6-Diaminotoluene	TOLUENEDIAMINE		
4,6- -3,5,5- -2-		17	2289
	ISOPHORONEDIAMINE		
4,6-Diamino-3,5,5-trimethylcyclohex-2-enone			
3,6- -1,8-		17	2259
3,6-Diazaoctane-1,8-diamine	TRIETHYLENETETRAMINE		
1,2-		17	1605
1,2-Dibromoethane	ETHYLENE DIBROMIDE		
		17	
DIBROMOMETHANE		17	
DIBUTYLAMINE			
1,2-		17	
Dibutylbenzene-1,2-dicarboxylate	DIBUTYL PHTHALATE		
		17	
Dibutyl carbinol	NONYL ALCOHOL (ALL ISOMERS)		
		17	
Dibutylcarbitol	DIETHYLENE GLYCOL DIBUTYL ETHER		
		17	1149
Dibutyl ether	N-BUTYL ETHER		
		17	1149

n-Dibutyl ether	N-BUTYL ETHER		
2,2- ether	2,2'-Dibutylethyl DIETHYLENE GLYCOL DIBUTYL ETHER	17	
Dibutyl hydrogen phosphite	DIBUTYL HYDROGEN PHOSPHONATE	17	
DIBUTYL HYDROGEN PHOSPHONATE			
2,6- - - 2,6-DI-TERT-BUTYLPHENOL		17	
Dibutyl phosphonate	DIBUTYL HYDROGEN PHOSPHONATE	17	
DIBUTYL PHTHALATE			
Dibutyl ortho-phthalate ()	DIBUTYL PHTHALATE	17	
DICHLOROBENZENE (ALL ISOMERS)			
1,2- ()	()	17	
1,2-Dichlorobenzene	DICHLOROBENZENE (ALL ISOMERS)	17	
m-Dichlorobenzene	DICHLOROBENZENE (ALL ISOMERS)	17	
o-Dichlorobenzene	DICHLOROBENZENE (ALL ISOMERS)	17	
3,4- -1 3,4-Dichlorobut-1-ene	3,4- -1- 3,4-DICHLORO-1-BUTENE	17	
3,4- -1- 3,4-DICHLORO-1-BUTENE		17	
2,2'- 2,2'-Dichlorodiethyl ether	DICHLOROETHYL ETHER	17	1916
Dichlorodiisopropyl ether	2,2'-DICHLOROISOPROPYL ETHER	17	2490
1,1- 1,1-DICHLOROETHANE			2362
1,2- 1,2-Dichloroethane	ETHYLENE DICHLORIDE	17	1184
1,1- 1,1-Dichloroethene	VINYLDENE CHLORIDE	17	1303
Dichloroether	DICHLOROETHYL ETHER	17	1916
1,1-		17	1303

1,1-Dichloroethylene	VINYLDENE CHLORIDE	17	1916
DICHLOROETHYL ETHER			
2,2'-		17	1916
2,2'-Dichloroethyl ether	DICHLOROETHYL ETHER	17	1916
Dichloroethyl oxide	DICHLOROETHYL ETHER		
1,6-			
1,6-DICHLOROHEXANE			
2,2'-		17	2490
2,2'-DICHLOROISOPROPYL ETHER			
DICHLOROMETHANE		17	1593
2,4-		17	2021
2,4-DICHLOROPHENOL			
2,4-		17	
2,4-DICHLOROPHENOXYACETIC ACID, DIETHANOLAMINE SALT SOLUTION			
2,4		17	
(70%)			
2,4-DICHLOROPHENOXYACETIC ACID, DIMETHYLAMINE SALT SOLUTION (70% OR LESS)			
2,4-		17	
2,4-DICHLOROPHENOXYACETIC ACID, TRIISOPROPANOLAMINE SALT SOLUTION			
1,1-		17	
1,1-DICHLOROPROPANE			
1,2-		17	1279
1,2-DICHLOROPROPANE			
/	/	17	
Dichloropropane / dichloropropene mixtures	DICHLOROPROPENE/DICHLOROPROPANE MIXTURES		
2,2-	2,2-	17	
2,2-Dichloropropanoic acid	2,2-DICHLOROPROPIONIC ACID		
1,3-		17	2047

1,3-DICHLOROPROPENE			
/			17
DICHLOROPROPENE/DICHLOROPROPANE MIXTURES			
2,2-DICHLOROPROPIONIC ACID			
	1,3-		17 2047
Dichloropropylene	1,3-DICHLOROPROPENE		
1,4-			17 2205
1,4-Dicyanobutane	ADIPONITRILE		
	1,3-		17
Dicyclopentadiene	1,3-CYCLOPENTADIENE DIMER (MOLTEN)		
	7 -13		17
Didecyl phthalate	DIALKYL (C7-C13) PHTHALATES		
	7 -13		17
Didodecyl phthalate	DIALKYL (C7-C13) PHTHALATES		
			17
DIETHANOLAMINE			17 1154
DIETHYLAMINE			17 2686
DIETHYLAMINOETHANOL			17 2686
2-			17 2686
2-Diethylaminoethanol	DIETHYLAMINOETHANOL		
2,6-DIETHYLANILINE			17 2049
DIETHYLBENZENE			17
Diethylcarbitol	DIETHYLENE GLYCOL DIETHYL ETHER		
			17
Diethyl 'carbitol'	DIETHYLENE GLYCOL DIETHYL ETHER		
1,4-	1,4-		17 1165
1,4-Diethylene dioxide	1,4-DIOXANE		
	1,4-		17 1165
Diethylene ether	1,4-DIOXANE		
			18
DIETHYLENE GLYCOL			
	(2-8)	(C1-C6)	17
Diethylene glycol butyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
	(2-8)	(C1-C6)	17

glycol butyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	17
DIETHYLENE GLYCOL DIBUTYL ETHER		17
DIETHYLENE GLYCOL DIETHYL ETHER		17
	(2-8) (C1-C6)	17
Diethylene glycol ethyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	
Diethylene	(2-8) (C1-C6)	17
glycol ethyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	
	(2-8) (C1-C6)	17
Diethylene glycol methyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	
Diethylene	(2-8) (C1-C6)	17
glycol methyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	
	(2-8) (C1-C6)	17
Diethylene glycol monobutyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	
	(2-8) (C1-C6)	17
Diethylene glycol monobutyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	
	(2-8) (C1-C6)	17
Diethylene glycol monoethyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	
	(2-8) (C1-C6)	17
Diethylene glycol monoethyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	
	(2-8) (C1-C6)	17
Diethylene glycol monomethyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	
	(2-8) (C1-C6)	17
Diethylene glycol monomethyl ether acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE	
		17

Diglycol		17	
phthalate	DIETHYLENE GLYCOL PHTHALATE	17	
		17	
	DIHEPTYL PHTHALATE	17	
		17	
Dihexyl	DODECANE (ALL ISOMERS)	17	
- -		17	
	DI-N-HEXYL ADIPATE	17	
		17	
	DIHEXYL PHTHALATE	17	
1,3-	-1,3-	17	2214
1,3-Dihydroisobenzofuran-1,3-dione	PHTHALIC ANHYDRIDE (MOLTEN)	17	
2,3-		17	
2,3-Dihydroxybutane	BUTYLENE GLYCOL	17	
2,2'-		17	
2,2'-Dihydroxydiethylamine	DIETHANOLAMINE	17	
-(2-)		17	
Di-(2-hydroxyethyl)amine	DIETHANOLAMINE	18	
		18	
Dihydroxyethyl ether	DIETHYLENE GLYCOL	17	
	1,6-	17	
Dihydroxyhexane	HEXAMETHYLENE GLYCOL	18	
1,2-		18	
1,2-Dihydroxypropane	PROPYLENE GLYCOL	17	2050
		17	2050
Diisobutene	DIISOBUTYLENE	17	2361
		17	2361
	DIISOBUTYLAMINE	17	
		17	
Diisobutylcarbinol	NONYL ALCOHOL (ALL ISOMERS)	17	2050
		17	2050
	DIISOBUTYLENE	17	2050
-		17	2050
alpha-Diisobutylene	DIISOBUTYLENE	17	2050
-		17	2050
beta-Diisobutylene	DIISOBUTYLENE	17	2050
		17	2050
	DIISOBUTYL KETONE	17	
		17	
	DIISOBUTYL PHTHALATE	17	
2,4-	-1-	17	2078
2,4-diisocyanato-1-methylbenzene	TOLUENE DIISOCYANATE	17	2078
2,4-		17	2078

2,4-Diisocyanatotoluene	TOLUENE DIISOCYANATE		
	7- 13	17	
Diisodecyl phthalate	DIALKYL (C7-C13) PHTHALATES		
DIISONONYL ADIPATE			
	7- 13	17	
Diisononyl phthalate	DIALKYL (C7-C13) PHTHALATES		
DIISOCTYL PHTHALATE		17	
DIISOPROPANOLAMINE		17	
Diisopropylacetone	DIISOBUTYL KETONE		
DIISOPROPYLAMINE		17	1158
DIISOPROPYLBENZENE (ALL ISOMERS)		17	
Diisopropyl ether	ISOPROPYL ETHER		
DIISOPROPYLNAPHTHALENE		17	1159
Diisopropyl oxide	ISOPROPYL ETHER		
N,N- N,N-DIMETHYLACETAMIDE		17	
N,N- 40%		17	
N,N-DIMETHYLACETAMIDE SOLUTION (40% OR LESS)			
	2- -2- -3-	17	
Dimethylacetylene carbinol	2-METHYL-2-HYDROXY-3-BUTYNE		
DIMETHYL ADIPATE 45%		17	1160
DIMETHYLAMINE SOLUTION (45% OR LESS)			
45%		17	1160
55% DIMETHYLAMINE SOLUTION (GREATER			

THAN 45% BUT NOT GREATER THAN 55%)			
	55%	17	1160
65%			
DIMETHYLAMINE SOLUTION (GREATER THAN 55% BUT NOT GREATER THAN 65%)			
		17	2051
Dimethylaminoethanol	DIMETHYLETHANOLAMINE		
2-		17	2051
2-Dimethylaminoethanol	DIMETHYLETHANOLAMINE		
		17	1307
Dimethylbenzenes	XYLENES		
1,3-		17	2053
1,3-Dimethylbutanol	METHYLAMYL ALCOHOL		
1,3- -1-		17	2053
1,3-Dimethylbutan-1-ol	METHYLAMYL ALCOHOL		
1,3-		17	2053
1,3-Dimethylbutyl acetate	METHYLAMYL ACETATE		
		18	
Dimethylcarbinol	ISOPROPYL ALCOHOL		
N,N-		17	2264
N,N-DIMETHYLCYCLOHEXYLAMINE			
		17	2381
DIMETHYL DISULPHIDE			
N,N-	12	17	2735
N,N-Dimethyldodecanamine	ALKYL (C12+) DIMETHYLAMINE		
N,N- -1-	N,N-	17	
N,N-Dimethyldodecan-1-amine	N,N-DIMETHYLDODECYLAMINE		
N,N-		17	
N,N-DIMETHYLDODECYLAMINE			
1,1-		17	
1,1-Dimethylethanol	TERT-BUTYL ALCOHOL		
		17	2051
DIMETHYLETHANOLAMINE			
1,1-		17	
1,1-Dimethylethyl alcohol	TERT-BUTYL ALCOHOL		
	-	17	
Dimethyl ethyl carbinol	TERT-AMYL ALCOHOL		
1,1-		17	

1,1-dimethylethyl methyl ether	METHYL TERT-BUTYL ETHER	18	
Dimethyl formaldehyde	ACETONE	17	2265
DIMETHYLFORMAMIDE		17	
DIMETHYL GLUTARATE		17	
2,6- -4-		17	
2,6-Dimethyl-4-heptanone	DIISOBUTYL KETONE		
2,6- -4-		17	
2,6-Dimethylheptan-4-one	DIISOBUTYL KETONE		
N,N-	12	17	2735
N,N-Dimethylhexanamine	ALKYL (C12+) DIMETHYLAMINE	17	
DIMETHYL HYDROGEN PHOSPHITE		17	2261
Dimethylhydroxybenzenes	XYLENOL	17	
1,1'- -2,2'-		17	
1,1'-Dimethyl-2,2'-iminodiethanol	DIISOPROPANOLAMINE	18	
Dimethyl ketal	ACETONE	18	
Dimethyl ketone	ACETONE	17	
	N,N-	17	
Dimethyl laurylamine	N,N-DIMETHYLDODECYLAMINE		
N,N-	30%	17	1297
N,N-Dimethylmethanamine	TRIMETHYLAMINE SOLUTION (30% OR LESS)		
N,N-	30%	17	
N,N-Dimethylmethylamine	TRIMETHYLAMINE SOLUTION (30% OR LESS)		
6,6- -2- [3.1.1]	-	17	2368
	BETA-PINENE		
6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptan		17	
DIMETHYL OCTANOIC ACID		17	
2,2-		17	
2,2-Dimethyloctanoic acid	NEODECANOIC ACID		
2,3- ()		17	2261
2,3-Dimethylphenol	XYLENOL		
2,4- ()		17	2261
2,4-Dimethylphenol	XYLENOL		
2,5- ()		17	2261

2,5-Dimethylphenol	XYLENOL		
2,6- ()		17	2261
2,6-Dimethylphenol	XYLENOL		
3,4- ()		17	2261
3,4-Dimethylphenol	XYLENOL		
3,5- ()		17	2261
3,5-Dimethylphenol	XYLENOL		
()		17	2261
Dimethylphenols	XYLENOL		
(3:1)		17	
Dimethylphenyl phosphate (3:1)	TRIXYLYL PHOSPHATE		
		17	
DIMETHYL PHTHALATE			
		17	
DIMETHYLPOLYSILOXANE			
2,2-		17	1265
2,2-Dimethylpropane	PENTANE (ALL ISOMERS)		
2,2- -1,3- ()		17	
2,2-DIMETHYLPROPANE-1,3-DIOL			
(MOLTEN OR SOLUTION)			
2,2-		17	
2,2-Dimethylpropanoic acid	TRIMETHYLACETIC ACID		
1,1-	2- -2- -3-	17	
1,1-Dimethylpropargyl alcohol	2-METHYL-2-HYDROXY-3-BUTYNE		
2,2-		17	
2,2-Dimethylpropionic acid	TRIMETHYLACETIC ACID		
1,1-	2- -2- -3-	17	
1,1-Dimethylpropynol	2-METHYL-2-HYDROXY-3-BUTYNE		
		17	
DIMETHYL SUCCINATE			
N,N-	12	17	2735
N,N-Dimethyltetradecanamine	ALKYL (C12+) DIMETHYLAMINE		
	12	17	2735
Dimethyltetradecylamine	ALKYL (C12+) DIMETHYLAMINE		
- - - [- - -	A	17	
- - - (2-	DIGLYCIDYL ETHER OF BISPHENOL A		
]			
dimethyl-p-tolyloxy{poly[oxy-p-phenyleneisopropylidene			
-p-phenyloxy(2-hydroxytrimethylene)}}}			

3,9	[5.2.1.0;2,6]	-3,8-		17	
()			METHYLCYCLOPENTADIENE DIMER		
3,9-Dimethyltricyclo[5.2.1.0;2,6]deca					
-3,8-diene					
			2,2- -1,3- ()	17	
Dimethyltrimethylene glycol			2,2-DIMETHYLPROPANE-1,3-DIOL(MOLTEN		
			OR SOLUTION)		
			N,N-	17	
Dimethylacetamide acetate			N,N-DIMETHYLACETAMIDE		
				17	1600
DINITROTOLUENE (MOLTEN)					
				17	
DINONYL PHTHALATE					
			7 -13	17	
Dinonyl phthalate			DIALKYL (C7-C13) PHTHALATES		
3,6- -1,8-				18	
3,6-Dioxaooctane-1,8-diol			TRIETHYLENE GLYCOL		
			2-	17	
Dioctyl adipate			DI-(2-ETHYLHEXYL) ADIPATE		
			-(2-)) DI-(2-ETHYLHEXYL)	17	1902
Dioctyl hydrogen phosphate			PHOSPHORIC ACID		
			-(2-)) DI-(2-ETHYLHEXYL)	17	1902
Dioctyl phosphoric acid			PHOSPHORIC ACID		
				17	
DIOCTYL PHTHALATE					
2,4-D-			2,4- ,	17	
2,4-D-diolamine			2,4-DICHLOROPHENOXYACETIC ACID,		
			DIETHANOLAMINE SALT SOLUTION		
1,4-			1,4-	17	1165
1,4-Dioxan			1,4-DIOXANE		
1,4-				17	1165
1,4-DIOXANE					
				18	
Dioxolanone			PROPYLENE CARBONATE		
1,3- -2-				18	
1,3-Dioxolan-2-one			ETHYLENE CARBONATE		
				18	
Dioxolone-2			ETHYLENE CARBONATE		
1,1-				17	
1,1-Dioxothiolan			SULPHOLANE		
			1,4-	17	1165
Dioxyethylene ether			1,4-DIOXANE		

	17	2052
DIPENTENE		
	17	
DIPHENYL		
	17	
DIPHENYLAMINE (MOLTEN)		
, 2,2,4-	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	
	DODECYL	17
Diphenyl dodecyl ether disulphonate solution	DIPHENYL ETHER DISULPHONATE SOLUTION	
	DODECYL	17
	DIPHENYL ETHER DISULPHONATE SOLUTION	
Diphenyl dodecyl oxide disulphonate solution		17
		17
DIPHENYL ETHER		
/	17	
DIPHENYL ETHER/DIPHENYL PHENYL ETHER MIXTURE		
	17	2498
DIPHENYLMETHANE DIISOCYANATE		
	17	
DIPHENYLOL PROPANEEPICHLOROHYDRIN RESINS		
	17	
Diphenyl oxide	DIPHENYL ETHER	
/	/	17
Diphenyl oxide / diphenyl phenyl	DIPHENYL ETHER/DIPHENYL PHENYL	

ether mixture	ETHER MIXTURE		
	- -	17	2383
Dipropylamine	DI-N-PROPYLAMINE		
-	- -	17	2383
n-Dipropylamine	DI-N-PROPYLAMINE		
- -		17	2383
DI-N-PROPYLAMINE			
DIPROPYLENE GLYCOL		17	
	(2-8) (C1-C6)	17	
Dipropylene glycol methyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
	(2-8) (C1-C6)	17	
Dipropylene glycol monomethyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
		17	
Disodium carbonate	SODIUM CARBONATE SOLUTION		
(), ,C8-C12		17	
	RESIN OIL, DISTILLED		
Distillates (Petroleum), Steam			
Cracked, C8 - C12 Fraction			
(7 -35)		17	
DITHIOCARBAMATE ESTER			
(C7-C35)		17	
DITRIDECYL ADIPATE		17	
DITRIDECYL ADIPATE		17	
DIUNDECYL PHTHALATE		17	
dl-Lactic acid	LACTIC ACID		
- -1,8-		17	2052
dl-p-Mentha-1,8-diene	DIPENTENE		
-1-	13	17	
Docosan-1-ol	ALCOHOLS (C13+)		
1-	13	17	
1-Docosanol	ALCOHOLS (C13+)		
()		17	
DODECANE (ALL ISOMERS)			

		17	
TERT-DODECANETHIOL			
		17	
Dodecanoic acid	LAURIC ACID		
-1-		17	
Dodecan-1-ol	DODECYL ALCOHOL		
1- ()		17	
1-Dodecanol	DODECYL ALCOHOL		
- ()		17	
n-Dodecanol	DODECYL ALCOHOL		
()		17	
DODECENE (ALL ISOMERS)			
		17	
DODECYL ALCOHOL			
-		17	
n-Dodecyl alcohol	DODECYL ALCOHOL		
/		17	
DODECYLAMINE/TETRADECYL LAMINE MIXTURE			
		17	
DODECYLBENZENE			
(1.5%)	(C11-C17)	17	2584,2586
Dodecylbenzenesulphonic acid (contains 1.5% sulphuric acid)	ALKYL (C11-C17) BENZENE SULPHONIC ACID		
	12	17	2735
Dodecyldimethylamine	ALKYL (C12+) DIMETHYLAMINE		
		17	
DODECYL DIPHENYL ETHER DISULPHONATE SOLUTION			
	DODECYL	17	
	DIPHENYL ETHER		
Dodecyl diphenyl oxide disulphonate solution	DISULPHONATE SOLUTION		
	()	17	
Dodecylene	DODECENE (ALL ISOMERS)		
		17	
DODECYL HYDROXYPROPYL SULPHIDE			
		17	
Dodecyllic acid	LAURIC ACID		
-	-	17	

tert-Dodecyl mercaptan	TERT-DODECANETHIOL	17	
DODECYL METHACRYLATE		17	
Dodecyl-2-methyl-2-propenoate	DODECYL METHACRYLATE	17	
	()		
Dodecyl-2-methylprop-2-enoate	DODECYL METHACRYLATE	17	
/			
DODECYL/OCTADECYL METHACRYLATE (MIXTURE)		17	
/			
DODECYL/PENTADECYL METHACRYLATE MIXTURE		17	
DODECYL PHENOL			
2- -1- Dodecyl,		17	2735
Tetradecyl, hexadecyl-dimethylamine mixture	ALKYL (C12+) DIMETHYLAMINE		
2- () -1-	()	17	
2-Dodecylthio-1-methylethanol	DODECYL HYDROXYPROPYL SULPHIDE	17	
-2-	()	17	
1-Dodecylthiopropan-2-ol	DODECYL HYDROXYPROPYL SULPHIDE	17	
DODECYL XYLENE		17	
)			
Drilling brine: potassium chloride solution	POTASSIUM CHLORIDE SOLUTION		
()		17	
DRILLING BRINES (CONTAINING ZINC SALTS)			
,		17	
DRILLING BRINES, INCLUDING:CALCIUM BROMIDE SOLUTION, CALCIUM CHLORIDE SOLUTION AND SODIUM CHLORIDE SOLUTION			

Dutch liquid	ETHYLENE DICHLORIDE	17	1184
Dutch oil	ETHYLENE DICHLORIDE	17	1184
E - -2- (E)-But-2-enal	CROTONALDEHYDE	17	1143
Enanthic acid	N-HEPTANOIC ACID () (D)	17	
Enanthyl alcohol	HEPTANOL (ALL ISOMERS) (D)	17	
Enanthylic acid	N-HEPTANOIC ACID (70%)	17	2031,2032
Engravers' acid	NITRIC ACID (70% AND OVER)		
E-1,3-	1,3-	17	
E-1,3-Pentadiene	1,3-PENTADIENE	17	2023
EPICHLOROHYDRIN			
1,2-	1,2-	17	3022
1,2-Epoxybutane	1,2-BUTYLENE OXIDE		
1,4-		17	2056
1,4-epoxybutane	TETRAHYDROFURAN		
1,2-		17	1280
1,2-Epoxypropane	PROPYLENE OXIDE		
2,3-	10	17	
2,3-Epoxy propyl ester of mixed trialkyl acetic acids	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID		
2,3-	10	17	
2,3-Epoxypropyl neodecanoate	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID		
α -2,3-	A	17	
- -{ α -[4-(2,3-)]- α , α - - - } - - - - (2)]	DIGLYCIDYL ETHER OF BISPHENOL A		
alpha-2,3-Epoxypropyl-omega {alpha- [4-(2,3-epoxypropyl) phenyl]-alpha,alpha-dimethyl-p-tolylo xy}poly[oxy-p-phenyleneisopropylid ene-p-pheny leneoxy(2-hydroxytrimethylene)]			

α-2,3-)]- - - - - - (2)]	F DIGLYCIDYL ETHER OF BISPHENOL F	17	
alpha-2,3-Epoxypropyl-omega-{alpha -[4-(2,3- epoxypropoxy)phenyl]-p-tolyloxy}po ly[oxy-p-phenylenemethylene-p-phen yleneoxy(2- hydroxytrimethylene)]			
ETPC		17	
EPTC	S-ETHYL DIPROPYLTHIOCARBAMATE	17	1662
Essence of Mirbane	NITROBENZENE	17	1662
Essence of Myrbane	NITROBENZENE	17	2270
, 72%	(72%)	17	2404
Ethanamine solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)	17	
Ethancarbonitrile	PROPIONITRILE	17	
	40	17	
Ethanedial	GLYOXAL SOLUTION (40% OR LESS)	17	
1,2- 1,2-Ethanediol	ETHYLENE GLYCOL	17	
Ethanoic acid	ACETIC ACID	17	
Ethanoic anhydride	ACETIC ANHYDRIDE	18	
Ethanol	ETHYL ALCOHOL	17	2491
ETHANOLAMINE		17	1301
ethenyl acetat	VINYL ACETATE	17	1301
ethenyl ethanoate	VINYL ACETATE	17	1155
Ether	DIETHYL ETHER	17	1710
Ethinyl trichloride	TRICHLOROETHYLENE	17	
2-		17	

2-Ethoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Ethoxyethoxy)ethanol	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL(C1-C6) ETHER		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Ethoxyethoxy)ethyl acetate	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL (C1-C6) ETHER ACETATE		
2-		17	1172
2-ETHOXYETHYL ACETATE			
16		17	
ETHOXYLATED LONG CHAIN			
(C16+)			
ALKYLOXYALKYLAMINE			
2- -2-		17	1993
2-Ethoxy-2-methylpropane	ETHYL TERT-BUTYL ETHER		
1- -2-		17	
1-Ethoxypropan-2-ol	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	
ETHYL ACETATE			
		17	
ETHYL ACETOACETATE			
		18	1249
Ethyl acetone	METHYL PROPYL KETONE		
		17	1917
ETHYL ACRYLATE			
		18	
ETHYL ALCOHOL			
		17	1036
ETHYLAMINE			
72%		17	2270
ETHYLAMINE SOLUTIONS			
(72% OR LESS)			
	-	17	
Ethylaminocyclohexane	N-ETHYLCYCLOHEXYLAMINE		
()		17	2271
ETHYL AMYL KETONE			
		17	1175
ETHYLBENZENE			
		17	1175
Ethyl benzol	ETHYLBENZENE		
		17	1180

Ethyl butanoate	ETHYL BUTYRATE	17	1193
ETHYL TERT-BUTYL ETHER			1180
ETHYL BUTYRATE			
2-	2-	17	
2-Ethylcaproic acid	2-ETHYLHEXANOIC ACID		
	-	17	1274
Ethyl carbinol	N-PROPYL ALCOHOL	17	2404
Ethyl cyanide	PROPIONITRILE	17	
ETHYLCYCLOHEXANE			
()	-	17	
Ethyl(cyclohexyl)amine	N-ETHYLCYCLOHEXYLAMINE	17	
-			
N-ETHYLCYCLOHEXYLAMINE		17	1265
Ethyl dimethylmethane	PENTANE (ALL ISOMERS)	17	
S-Ethyl dipropylcarbamothioate	S-ETHYL DIPROPYLTHIOCARBAMATE	17	
S-Ethyl dipropyldithiocarbamate	S-ETHYL DIPROPYLTHIOCARBAMATE	17	
S-ETHYL DIPROPYLTHIOCARBAMATE		17	
Ethylene alcohol	ETHYLENE GLYCOL	17	
Ethylene bisiminodiacetic acid tetrasodium salt solution	ETHYLENEDIAMINETETRAACETIC ACID, TETRASODIUM SALT SOLUTION		
		17	1605
Ethylene bromide	ETHYLENE DIBROMIDE	18	
ETHYLENE CARBONATE		17	2218
Ethylencarboxylic acid	ACRYLIC ACID	17	1184
Ethylene chloride	ETHYLENE DICHLORIDE	17	1135
2-			

ETHYLENE CHLOROHYDRIN			
3-		17	
ETHYLENE CYANOHYDRIN			
		17	
Ethylene diacetate	ETHYLENE GLYCOL DIACETATE		
()		17	1604
ETHYLENEDIAMINE			
		17	
ETHYLENEDIAMINETETRAAC			
ETIC ACID, TETRASODIUM			
SALT SOLUTION			
		17	1605
ETHYLENE DIBROMIDE			
		17	1184
ETHYLENE DICHLORIDE			
2,2'- ()		17	2259
2,2'-Ethylenedi-iminodi(ethylamine)	TRIETHYLENETETRAMINE		
		17	
Ethylenedinitrilotetraacetic acid	ETHYLENEDIAMINETETRAACETIC ACID,		
tetrasodium salt solution	TETRASODIUM SALT SOLUTION		
2,2'-		18	
2,2'-Ethylenedioxydiethanol	TRIETHYLENE GLYCOL		
		17	
ETHYLENE GLYCOL			
		17	
ETHYLENE GLYCOL ACETATE			
	2-	17	
Ethylene glycol acrylate	2-HYDROXYETHYL ACRYLATE		
		17	
Ethylene glycol butyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS		
		17	
ETHYLENE GLYCOL BUTYL			
ETHER			
ACETATE			
		17	
Ethylene glycol tert-butyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS		
		17	
ETHYLENE GLYCOL			
DIACETATE			
		17	

Ethylene glycol ethyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS		
	2-	17	1172
Ethylene glycol ethyl ether acetate	2-ETHOXYETHYL ACETATE	17	
Ethylene glycol isopropyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol methyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
ETHYLENE GLYCOL METHYL ETHER ACETATE		17	
ETHYLENE GLYCOL MONOALKYL ETHERS		17	
Ethylene glycol monobutyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol mono tert-butyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Ethylene glycol monoethyl ether	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
	2-	17	1172
Ethylene glycol monoethyl ether acetate	2-ETHOXYETHYL ACETATE	17	
Ethylene glycol monomethyl ether	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	2983
30			

/			
ETHYLENE OXIDE/PROPYLENE OXIDE MIXTURE WITH AN ETHYLENE OXIDE CONTENT OF NOT MORE THAN 30% BY MASS			17 1897
Ethylene tetrachloride	PERCHLOROETHYLENE		17 1710
Ethylene trichloride	TRICHLOROETHYLENE		17 2831
Ethylene trichloride ()			17
ETHYLENE-VINYL ACETATE COPOLYMER (EMULSION)			
			17
Ethyl ethanoate	ETHYL ACETATE		17 1155
Ethyl ether	DIETHYL ETHER		17
-3-			17
ETHYL-3-ETHOXYPROPIONAT E			
			17 1649
Ethyl fluid	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYL)		17 1848
Ethylformic acid	PROPIONIC ACID		17
Ethyl glycol	ETHYLENE GLYCOL MONOALKYL ETHERS		17 1191
2-			17 1191
2-Ethylhexaldehyde	OCTYL ALDEHYDES		17 1191
2-			17
2-Ethylhexanal	OCTYL ALDEHYDES		17
2-			17
2-ETHYLHEXANOIC ACID			
2-			17
2-Ethylhexanol	OCTANOL (ALL ISOMERS)		17
2-	2- -3-		17

2-Ethylhexenal	2-ETHYL-3-PROPYLACROLEIN		
2- -2-	2- -3-	17	
2-Ethylhex-2-enal	2-ETHYL-3-PROPYLACROLEIN		
2-		17	
2-Ethylhexoic acid	OCTANOIC ACID (ALL ISOMERS)		
2-		17	
2-ETHYLHEXYL ACRYLATE			
2-		17	
2-Ethylhexyl alcohol	OCTANOL (ALL ISOMERS)		
2-		17	2276
2-ETHYLHEXYLAMINE			
2- -2-() -1,3- ,		17	
8 -10			
2-ETHYL-2-(HYDROXYMETHYL)			
PROPANE-1,3-DIOL, C8-C10			
ESTER			
		17	
Ethyllic acid	ACETIC ACID		
5- (2,2,1) -2-		17	
5-Ethylidenebicyclo(2,2,1)hept-2-ene	ETHYLIDENE NORBORNENE		
	1,1-	17	2362
Ethylidene chloride	1,1-DICHLOROETHANE		
	1,1-	17	2362
Ethylidene dichloride	1,1-DICHLOROETHANE		
		17	
ETHYLIDENE NORBORNENE			
		17	2277
ETHYL METHACRYLATE			
-		17	
N-ETHYLMETHYLALLYLAMINE			
E			
- -2-	-	17	
N-Ethyl-2-methylallylamine	N-ETHYLMETHYLALLYLAMINE		
2- -6-	2- -6-	17	
2-Ethyl-6-methylbenzenamine	2-METHYL-6-ETHYL ANILINE		
		17	
Ethyl methyl ketone	METHYL ETHYL KETONE		
5- -2-	2- -5-	17	2300
5-Ethyl-2-methylpyridine	2-METHYL-5-ETHYL PYRIDINE		
		17	1155

Ethyl oxide	DIETHYL ETHER	17	
Ethyl phosphate	TRIETHYL PHOSPHATE	17	
Ethyl phthalate	DIETHYL PHTHALATE	17	2300
5- -2-	2- -5-	17	
5-Ethyl-2-picoline	2-METHYL-5-ETHYL PYRIDINE	17	
3- -1-		17	
3-Ethylpropan-1-ol	PROPYLENE GLYCOL MONOALKYL ETHER	17	1917
Ethyl propenoate	ETHYL ACRYLATE	17	
ETHYL PROPIONATE			
2- -3-		17	
2-ETHYL-3-PROPYLACROLEIN		17	1594
Ethyl sulphate	DIETHYL SULPHATE	17	
ETHYL TOLUENE			
5- -	2- -5-	17	2300
5-Ethyl-o-toluidine	2-METHYL-5-ETHYL PYRIDINE	17	
6- -2-	2- -6-	17	
6-Ethyl-2-toluidine	2-METHYL-6-ETHYL ANILINE	17	
6- - -	2- -6-	17	
6-Ethyl-o-toluidine	2-METHYL-6-ETHYL ANILINE	17	1302
Ethyl vinyl ether	VINYL ETHYL ETHER	17	
Ethynyl dimethylcarbinol	2- -2- -3-	17	
(C13+)	2-METHYL-2-HYDROXY-3-BUTYNE	17	
FATTY ACID (SATURATED C13+)			
M		17	
FATTY ACID METHYL ESTERS (M)			
12+		17	
FATTY ACIDS, (C16+)			
12+		17	
FATTY ACIDS, 12+			

C8-C10		17	
FATTY ACIDS, C8-C10			
	, ,C6-C18,2-	17	
FATTY ACIDS, ESSENTIALLY LINEAR (C6-C18) 2 -ETHYLHEXYL ESTER			
		18	
Feeding corn molasses	MOLASSES		
		18	
Fermentation alcohol	ETHYL ALCOHOL		
		17	2582
FERRIC CHLORIDE SOLUTIONS			
/		17	
FERRIC NITRATE/NITRIC ACID SOLUTION			
		17	
FISH OIL			
20-30%		17	1778
FLUOROSILICIC ACID (20-30%) IN WATER SOLUTION			
(45%)		17	1198 2209
FORMALDEHYDE SOLUTIONS (45% OR LESS)			
	1,3,5-	17	
Formaldehyde trimer	1,3,5-TRIOXANE		
	45%	17	1198 2209
Formalin	FORMALDEHYDE SOLUTIONS (45% OR LESS)		
		17	
FORMAMIDE			
		17	
Formdimethylamide	DIMETHYLFORMAMIDE		
		17	1779
FORMIC ACID			
	45%	17	1198 2209
Formic aldehyde	FORMALDEHYDE SOLUTIONS (45% OR LESS)		

	(50%)	17	1760
Formylformic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)		
		17	1199
Fural	FURFURAL		
2-		17	1199
2-Furaldehyde	FURFURAL		
-2,5-		17	2215
Furan-2,5-dione	MALEIC ANHYDRIDE		
2,5-		17	2215
2,5-Furandione	MALEIC ANHYDRIDE		
		17	1199
FURFURAL			
2-		17	1199
2-Furfuraldehyde	FURFURAL		
		17	2874
FURFURYL ALCOHOL			
		17	2874
Furylcarbinol	FURFURYL ALCOHOL		
2	(2)	17	
Fused poly(2+)cyclic aromatic hydrocarbons.	POLY(2+)CYCLIC AROMATICS		
		17	
Gaultheria oil	METHYL SALICYLATE		
		17	
Glacial acetic acid	ACETIC ACID		
D-		18	
D-Glucitol	SORBITOL SOLUTION		
/		17	
10%			
GLUCITOL/GLYCEROL BLEND			
PROPOXYLATED			
(CONTAINING LESS THAN			
10% AMINES)			
		18	
Glucitol solution	SORBITOL SOLUTION		
8 -14 -	8 -14 /(12 -14);(40% S/60%	17	
D-Glucopyranoside C8-C14 alkyl) 55		
	ALKYL (C8-C10)/(C12-C14):(40% OR LESS/60%		

	OR MORE)	
	POLYGLUCOSIDE SOLUTION (55% OR LESS)	
8 -14 -	8 -14 / (12 -14); (40% S/60%	17
D-Glucopyranoside C8-C14 alkyl) 55	
	ALKYL (C8-C10)/(C12-C14):(40% OR LESS/60% OR MORE)	
	POLYGLUCOSIDE SOLUTION (55% OR LESS)	18
GLUCOSE SOLUTION		
50%		17
GLUTARALDEHYDE SOLUTIONS (50% OR LESS)		
		18
Glycerin	GLYCERINE	
		18
GLYCERINE		
		17
Glycerin triacetate	GLYCERYL TRIACETATE	
1,2,3-		18
Glyceritol	GLYCERINE	
		18
Glycerol	GLYCERINE	
		17
GLYCEROL MONOOLEATE		
		17
Glycerol oleate	GLYCEROL MONOOLEATE	
1-		17
Glycerol 1-oleate	GLYCEROL MONOOLEATE	
GLYCEROL		17
PROPOXYLATED		
		17
GLYCEROL, PROPOXYLATED AND ETHOXYLATED		
/		17
GLYCEROL/SUCROSE BLEND PROPOXYLATED AND ETHOXYLATED		
		17
Glycerol triacetate	GLYCERYL TRIACETATE	

		17	
GLYCERYL TRIACETATE			
10		17	
GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID			
	10	17	
Glycidyl neodecanoate	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID		
		17	
Glycine soda solution	GLYCINE, SODIUM SALT SOLUTION		
		17	
GLYCINE, SODIUM SALT SOLUTION			
		17	
Glycol	ETHYLENE GLYCOL		
		18	
Glycol carbonate	ETHYLENE CARBONATE		
	2-	17	1135
Glycol chlorohydrin	ETHYLENE CHLOROHYDRIN		
		17	1184
Glycol dichloride (70%)	ETHYLENE DICHLORIDE		
		17	3265
GLYCOLIC ACID SOLUTION (70% OR LESS)			
		17	
Glycol monobutyl ether (-)	ETHYLENE GLYCOL MONOALKYL ETHERS (C9-C20)		
		17	
Glycols, polyethylene mono(p-nonylphenyl) ether	ALKARYL POLYETHERS (C9-C20)		
		18	
Glycyl alcohol	GLYCERINE		
	40%	17	
Glyoxaldehyde	GLYOXAL SOLUTION (40% OR LESS)		
	(50%)	17	1760
Glyoxalic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)		
	40%	17	
GLYOXAL SOLUTION (40% OR LESS)			

(50%)		17	1760
GLYOXYLIC ACID SOLUTION (50 % OR LESS)			
N- Glyphosate	-	N- -	17
		GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	
()		N- -	17
Glyphosate-mono(isopropylammoniu m)		GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	
	N- -		17
GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)			
Grain alcohol		ETHYL ALCOHOL	18
	4%		17
GROUNDNUT OIL (CONTAINING LESS THAN 4% FREE FATTY ACIDS)			
Hemimellitine		TRIMETHYLBENZENE (ALL ISOMERS)	17
Hendecanoic acid		UNDECANOIC ACID	17
1- 1-Hendecanol		UNDECYL ALCOHOL	17
Heptamethylene		CYCLOHEPTANE	17 2241
HEPTANE (ALL ISOMERS)			17 1206
1- 1-Heptanecarboxylic acid	()	OCTANOIC ACID (ALL ISOMERS)	17
3- 3-Heptanecarboxylic acid		OCTANOIC ACID (ALL ISOMERS)	17
Heptanoic acid	-	N-HEPTANOIC ACID	17
- N-HEPTANOIC ACID			17
			17

HEPTANOL (ALL ISOMERS) (D)		
-2-		17 1110
Heptan-2-one	METHYL AMYL KETONE	
-2-		17 1110
Heptan-2-one	METHYL AMYL KETONE	
2-		17 1110
2-Heptanone	METHYL AMYL KETONE	
		17
HEPTENE (ALL ISOMERS)		
	-	17
Heptoic acid	N-HEPTANOIC ACID	
		17
HEPTYL ACETATE		
	D	17
Heptyl alcohol, all isomers	HEPTANOL (ALL ISOMERS) (D)	
		17
Heptylcarbinol	OCTANOL (ALL ISOMERS)	
		17
Heptylene, mixed isomers	HEPTENE (ALL ISOMERS)	
	-	17
Heptylic acid	N-HEPTANOIC ACID	
-	-	17
n-Heptylic acid	N-HEPTANOIC ACID	
1-	13 ()	17
1-Hexadecene	OLEFINS (C13+, ALL ISOMERS)	
	/	17
	CETYL/EICOSYL METHACRYLATE MIXTURE	
Hexadecyl and icosyl methacrylate mixture		
1- / 1,4- ()		17
1-HEXADECYLNAPHTHALENE		
/		
1,4-BIS(HEXADECYL)NAPHTHALENE MIXTURE		
/	1- / 1,4- ()	17
Hexadecyl naphthalene/dihexadecyl naphthalene mixture	1-HEXADECYLNAPHTHALENE / 1,4-BIS(HEXADECYL)NAPHTHALENE MIXTURE	
/	13	17
Hexadecyl / octadecyl alcohol	ALCOHOLS (C13+)	
		17
Hexaethylene glycol	POLYETHYLENE GLYCOL	
		17 2357

Hexahydroaniline	CYCLOHEXYLAMINE		
-1H-		17	2493
Hexahydro-1H-azepine	HEXAMETHYLENEIMINE		
		17	1145
Hexahydrobenzene	CYCLOHEXANE		
			2493
-1H-		17	
Hexahydro-1H-azepine	HEXAMETHYLENEIMINE		
		17	
Hexahydrophenol	CYCLOHEXANOL		
		17	2296
Hexahydrotoluene	METHYLCYCLOHEXANE		
		17	1145
Hexamethylene	CYCLOHEXANE		
50		17	
HEXAMETHYLENEDIAMINE			
ADIPATE			
(50% IN WATER)			
()		17	
HEXAMETHYLENEDIAMINE			
(MOLTEN)			
		17	1783
HEXAMETHYLENEDIAMINE			
SOLUTION			
1,6-		17	1783
1,6-Hexamethylenediamine solution	HEXAMETHYLENEDIAMINE SOLUTION		
50	50	17	
Hexamethylenediammonium adipate	HEXAMETHYLENEDIAMINE ADIPATE (50%		
solution	IN WATER)		
(50% solution)		17	2281
HEXAMETHYLENE			
DIISOCYANATE			
1,6-		17	2281
Hexamethylene-1,6-diisocyanate	HEXAMETHYLENE DIISOCYANATE		
		17	
HEXAMETHYLENE GLYCOL			
		17	2493
HEXAMETHYLENEIMINE			
		18	
HEXAMETHYLENETETRAMIN			
E SOLUTIONS			
		18	

Hexamine	HEXAMETHYLENETETRAMINE SOLUTIONS	17	1145
Hexanaphthene	CYCLOHEXANE		
1,6- (1:1)	(50%)	17	
1,6-Hexandiamine hexanedioate (1:1)	HEXAMETHYLENEDIAMINE ADIPATE (50% IN WATER)	17	1208
HEXANE (ALL ISOMERS)			
1,6-		17	
1,6-Hexanediamine	HEXAMETHYLENEDIAMINE (MOLTEN)		
-1,6-		17	1783
Hexane-1,6-diamine solutions	HEXAMETHYLENEDIAMINE SOLUTION		
1,6-		17	1783
1,6-Hexanediamine solutions	HEXAMETHYLENEDIAMINE SOLUTION		
(2-)	- 2-	17	
Hexanedioic acid, bis(2-ethylhexyl) ester	DI-(2-ETHYLHEXYL) ADIPATE		
-1,6-		17	
Hexane-1,6-diol	HEXAMETHYLENE GLYCOL		
1,6-		17	
1,6-Hexanediol	HEXAMETHYLENE GLYCOL		
1,6-		17	1987
1,6-HEXANEDIOL, DISTILLATION OVERHEADS			
n-		17	1208
n-Hexane	HEXANE (ALL ISOMERS)		
		17	
HEXANOIC ACID			
		17	2282
HEXANOL			
-1-		17	2282
Hexan-1-ol	HEXANOL		
-6-	()	17	
Hexan-6-olide	EPSILON-CAPROLACTAM (MOLTEN OR AQUEOUS SOLUTIONS)		
-2-		17	1224
Hexan-2-one	METHYL BUTYL KETONE		
2-		17	1224
2-Hexanone	METHYL BUTYL KETONE		
		17	2370
HEXENE (ALL ISOMERS)			
-1	()	17	2370

Hexene-1	HEXENE (ALL ISOMERS)		
-1-	()	17	2370
Hex-1-ene	HEXENE (ALL ISOMERS)		
2-	()	17	2370
2-Hexene	HEXENE (ALL ISOMERS)		
		17	
Hexone	METHYL ISOBUTYL KETONE		
		17	1233
HEXYL ACETATE			
		17	1233
sec-Hexyl acetate	METHYLAMYL ACETATE		
		17	2282
Hexyl alcohol	HEXANOL		
	12	17	2735
Hexyldimethylamine	ALKYL (C12+) DIMETHYLAMINE		
		17	2370
Hexylene	HEXENE (ALL ISOMERS)		
		18	
HEXYLENE GLYCOL			
		17	1233
Hexyl ethanoate	HEXYL ACETATE		
		17	2493
Homopiperidine	HEXAMETHYLENEIMINE		
		17	1789
HYDROCHLORIC ACID			
		17	2056
Hydrofuran	TETRAHYDROFURAN		
Hydrogenated glucose syrup	MALTITOL SOLUTION	18	
		18	
Hydrogenated maltose syrup	MALTITOL SOLUTION		
		18	
Hydrogenated oligosaccharide	HYDROGENATED STARCH HYDROLYSATE		
		18	
HYDROGENATED STARCH HYDROLYSATE			
		17	1779
Hydrogenocarboxylic acid	FORMIC ACID		
		17	1789

Hydrogen chloride, aqueous (60% 70%)	HYDROCHLORIC ACID	17	2015
HYDROGEN PEROXIDE SOLUTIONS (OVER 60% BUT NOT OVER 70% BY MASS)			
(8% 60%)		17	2014, 2984
HYDROGEN PEROXIDE SOLUTIONS (OVER 8% BUT NOT OVER 60% BY MASS)			
		17	1830
Hydrogen sulphate - - - () [(-1,2-)]	SULPHURIC ACID	17	
alpha-Hydro-omega-hydroxypoly[oxy (methyl-1,2-ethanediyl)]	POLYPROPYLENE GLYCOL		
	70%	17	3265
Hydroxyacetic acid	GLYCOLIC ACID SOLUTION (70% OR LESS)	17	2312
Hydroxybenzene	PHENOL		
4-	-	17	
4-Hydroxybutanoic acid lactone	GAMMA-BUTYROLACTONE		
4-	-	17	
4-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE		
	-	17	
gamma-Hydroxybutyric acid lactone	GAMMA-BUTYROLACTONE		
		17	2261
Hydroxydimethylbenzenes	XYLENOL		
	(70%)	17	3265
Hydroxyethanoic acid	GLYCOLIC ACID SOLUTION (70% OR LESS)		
2- 2-Hydroxyethyl acetate	ETHYLENE GLYCOL ACETATE	17	
2-		17	
2-HYDROXYETHYL ACRYLATE			
-	2-	17	
beta-Hydroxyethyl acrylate	2-HYDROXYETHYL ACRYLATE		
2-		17	
2-Hydroxyethylamine	ETHANOLAMINE		

- - ()		17	
N-beta-Hydroxyethylethylenediamine	AMINOETHYL ETHANOLAMINE		
-()		17	
N-(HYDROXYETHYL)ETHYLENEDIAMINET			
RIACETIC ACID, TRISODIUM SALT SOLUTION			
B-		17	
beta-Hydroxyethyl phenyl ether	ETHYLENE GLYCOL PHENYL ETHER		
2-	2-	17	
2-Hydroxyethyl propenoate	2-HYDROXYETHYL ACRYLATE		
2- 2-	2-	17	
2-Hydroxyethyl 2-propenoate	2-HYDROXYETHYL ACRYLATE		
-		17	1541
alpha-Hydroxyisobutyronitrile	ACETONE CYANOHYDRIN		
4- -2- -4-		17	
4-Hydroxy-2-keto-4-methylpentane	DIACETONE ALCOHOL		
4- -4- -2		17	
4-Hydroxy-4-methylpentanone-2	DIACETONE ALCOHOL		
4- -4- -2-		17	
4-Hydroxy-4-methylpentan-2-one	DIACETONE ALCOHOL		
2-()		17	1212
2-(Hydroxymethyl)propane	ISOBUTYL ALCOHOL		
2- -2-		17	1541
2-Hydroxy-2-methylpropionitrile	ACETONE CYANOHYDRIN		
2- -4-()		17	
2-HYDROXY-4-(METHYLTHIO) BUTANOIC ACID			
2- -4-	2- -4-()	17	
2-Hydroxy-4-methylthiobutyric acid	2-HYDROXY-4-(METHYLTHIO)BUTANOIC ACID		
2- ()	O- ()	17	1663
2-Hydroxynitrobenzene (molten)	O-NITROPHENOL (MOLTEN)		
1- -2		17	
1-Hydroxy-2-phenoxyethane	ETHYLENE GLYCOL PHENYL ETHER		
2-		17	
2-Hydroxypropanoic acid	LACTIC ACID		
2-		17	
2-Hydroxypropionic acid	LACTIC ACID		
-		17	

alpha-Hydroxypropionic acid	LACTIC ACID		
3-	-	17	
3-Hydroxypropionic acid, lactone.	BETA-PROPIOLACTONE		
2-	80%	17	
2-Hydroxypropionitrile	LACTONITRILE SOLUTION (80% OR LESS)		
-	80%	17	
alpha-Hydroxypropionitrile	LACTONITRILE SOLUTION (80% OR LESS)		
-		17	
beta-Hydroxypropionitrile	ETHYLENE CYANOHYDRIN		
2-		17	
2-Hydroxypropionitrile	LACTONITRILE SOLUTION (80% OR LESS)		
3-		17	
3-Hydroxypropionitrile	ETHYLENE CYANOHYDRIN		
2-[2-(2-)]		17	
-1-	TRIPROPYLENE GLYCOL		
2-[2-(2-hydroxypropoxy)propoxy]propan-1-ol			
2-		17	
2-Hydroxypropylamine	ISOPROPANOLAMINE		
3-	-	17	
3-Hydroxypropylamine	N-PROPANOLAMINE		
-		17	
alpha-Hydroxytoluene	BENZYL ALCOHOL		
3- -2,2,4- ()	2,2,4- -1,3- -1- 2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1-ISOBUTYRATE	17	
3-Hydroxy-2,2,4-trimethylpentylisobutyrate	TYRATE		
,2'-[()]		17	2320
2,2'-[Iminobis(ethyleneimino)]diethylamine	TETRAETHYLENE PENTAMINE		
2,2'- ()		17	2079
2,2'-Iminodi(ethylamine)	DIETHYLENETRIAMINE		
2,2'-		17	
2,2'-Iminodiethanol	DIETHANOLAMINE		
1,1'- -2		17	
1,1'-Iminodipropan-2-ol (III)	DIISOPROPANOLAMINE	17	2582
Iron (III) chloride solutions (III) /	FERRIC CHLORIDE SOLUTIONS	17	
Iron (III) nitrate / nitric acid solution	FERRIC NITRATE/NITRIC ACID SOLUTION	17	
Isoacetophenone	ISOPHORONE	17	1104

Isoamyl acetate	AMYL ACETATE (ALL ISOMERS)	17	
ISOAMYL ALCOHOL		17	1129
Isobutaldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	1129
Isobutanal	BUTYRALDEHYDE (ALL ISOMERS)	17	1212
Isobutanol	ISOBUTYL ALCOHOL	17	
	2- -2- -1-	17	
Isobutanolamine	2-AMINO-2-METHYL-1-PROPANOL	17	1123
Isobutyl acetate	BUTYL ACETATE (ALL ISOMERS)	17	2348
Isobutyl acrylate	BUTYL ACRYLATE (ALL ISOMERS)	17	1212
ISOBUTYL ALCOHOL		17	1129
Isobutyl aldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	1125,1214
Isobutylamine	BUTYLAMINE (ALL ISOMERS)	17	
Isobutylcarbinol	ISOAMYL ALCOHOL	17	2393
ISOBUTYL FORMATE		17	
Isobutyl ketone	DIISOBUTYL KETONE	17	
ISOBUTYL METHACRYLATE		17	2053
Isobutylmethylcarbinol	METHYLAMYL ALCOHOL	17	
Isobutyl methyl ketone	METHYL ISOBUTYL KETONE	17	2053
Isobutylmethylemethanol	METHYLAMYL ALCOHOL	17	1129
Isobutyraldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	1129
Isobutyric aldehyde	BUTYRALDEHYDE (ALL ISOMERS)	17	2206(i) 2207
α - - ω - [
- -]	POLYMETHYLENE POLYPHENYL		
Alpha-	ISOCYANATE		
Isocyanatobenzyl-omega-isocyanatop			

<hr/>			
henylpoly[(phenylisocyanate)-alt-for maldehyde]			
1- -3-		17	2290
	ISOPHORONE DIISOCYANATE		
1-Isocyanato-3-isocyanatomethyl trimethylcyclohexane			
3- -3,5,5-		17	2290
	ISOPHORONE DIISOCYANATE		
3-Isocyanatomethyl-3,5,5-trimethylcy clohexyl isocyanate		17	
Isodecanol	DECYL ALCOHOL (ALL ISOMERS)	17	
Isodecyl alcohol	DECYL ALCOHOL (ALL ISOMERS) ()	17	
Isododecane	DODECANE (ALL ISOMERS) ()	17	
Isodurene	TETRAMETHYLBENZENE (ALL ISOMERS) ()	17	
Isononanoic acid	NONANOIC ACID (ALL ISOMERS) ()	17	
Isononanol	NONYL ALCOHOL (ALL ISOMERS) ()	17	1262
Isooctane	OCTANE (ALL ISOMERS)	17	
Isooctanol	OCTANOL (ALL ISOMERS)	17	1265
Isopentane	PENTANE (ALL ISOMERS)	17	
Isopentanol	AMYL ALCOHOL, PRIMARY	17	
Isopentanol	ISOAMYL ALCOHOL	17	
Isopentene	PENTENE (ALL ISOMERS)	17	
Isopentyl acetate	AMYL ACETATE (ALL ISOMERS)	17	
Isopentyl alcohol	ISOAMYL ALCOHOL	17	
ISOPHORONE ()		17	2289

ISOPHORONEDIAMINE		17	2290
ISOPHORONE DIISOCYANATE		17	1218
ISOPRENE		18	
Isopropanol	ISOPROPYL ALCOHOL	17	
ISOPROPANOLAMINE	-	17	2303
Isopropenylbenzene	ALPHA-METHYLSTYRENE	17	
2-		17	
2-Isopropoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS	17	1159
2-		17	1220
2-Isopropoxypropane	ISOPROPYL ETHER	17	
ISOPROPYL ACETATE		17	
Isopropylacetone	METHYL ISOBUTYL KETONE	18	
ISOPROPYL ALCOHOL		17	1221
ISOPROPYLAMINE (70%)		17	
ISOPROPYLAMINE (70% OR LESS) SOLUTION			
N-() Isopropylammonium N-(phosphonomethyl)glyci	() N- GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17	1212
Isopropyl carbinol	ISOBUTYL ALCOHOL	17	1212
Isopropylcarbinol	ISOBUTYL ALCOHOL	17	
ISOPROPYLCYCLOHEXANE -3 3-	2,2,4- -1,3-	17	
1- -3,3-	2,2,4-TRIMETHYL-1,3-PENTANEDIOL		
1-Isopropyl-3,3-dimethyltrimethylene diisocyan	DIISOBUTYRATE	17	1159
ISOPROPYL ETHER			

		17	1229
Isopropylideneacetone	MESITYL OXIDE		
		17	1159
Isopropyl oxide	ISOPROPYL ETHER		
	-	17	2046
Isopropyltoluene	P-CYMENE		
4-	-	17	2046
4-Isopropyltoluene	P-CYMENE		
4-	-	17	2046
4-Isopropyltoluol	P-CYMENE		
		17	2058
Isovaleral	VALERALDEHYDE (ALL ISOMERS)		
		17	2058
Isovaleraldehyde	VALERALDEHYDE (ALL ISOMERS)		
		17	2058
Isovaleraldehyde	VALERALDEHYDE (ALL ISOMERS)		
		17	2058
Isovaleric aldehyde	VALERALDEHYDE (ALL ISOMERS)		
		17	
Isovalerone	DIISOBUTYL KETONE		
		18	
Kaolin clay slurry	KAOLIN SLURRY		
		18	
Kaolinite slurry	KAOLIN SLURRY		
		18	
KAOLIN SLURRY			
		17	1915
Ketohexamethylene	CYCLOHEXANONE		
		18	
Ketone propane	ACETONE		
		18	
Ketopropane	ACETONE		
		17	
LACTIC ACID			
80%		17	
LACTONITRILE SOLUTION			
(80% OR			
LESS)		17	
LARD			
, (1%),		17	
LATEX, AMMONIA (1% OR			

LESS) INHIBITED

		17	
-			
LATEX: CARBOXYLATED STYRENEBUTADIENE COPOLYMER; STYRENEBUTADIENE RUBBER		17	
LAURIC ACID			
		17	
Lauryl alcohol	DODECYL ALCOHOL		
	-	17	
Lauryl mercaptan	TERT-DODECANETHIOL		
		17	
Lauryl methacrylate	DODECYL METHACRYLATE		
n.o.s.	()	17	1649
Lead alkyls, n.o.s.	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYLs)		
	()	17	1649
Lead tetraethyl	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYLs)		
	()	17	1649
Lead tetramethyl	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYLs)		
		18	
LECITHIN			
		17	3806
LIGNINSULPHONIC ACID, SODIUM SALT SOLUTION			
		17	2052
Limonene	DIPENTENE		
LAB		17	
Linear alkylbenzene (LAB) bottoms	ALKYL BENZENE DISTILLATION BOTTOMS		
(2%		17	
LINSEED OIL (CONTAINING LESS THAN			

2% FREE FATTY ACIDS)			
			17
LIQUID CHEMICAL WASTES			
11 -20			17
LONG-CHAIN ALKARYL POLYETHER (C11-C20)			
(C16-C60)			17
LONG-CHAIN ALKARYL SULPHONIC ACID (C16-C60)			
/			17
LONG-CHAIN ALKYLPHENATE/PHENOL SULPHIDE MIXTURE			
			17
Lye	SODIUM HYDROXIDE SOLUTION		1824
			17
Lye, potash	POTASSIUM HYDROXIDE SOLUTION		1814
			17
Lye, soda	SODIUM HYDROXIDE SOLUTION		1824
			17
Lye solution	SODIUM HYDROXIDE SOLUTION		1824
L- (60%)			17
L-LYSINE SOLUTION (60% OR LESS)			
			18
Magnesia hydrate	MAGNESIUM HYDROXIDE SLURRY		
			17
MAGNESIUM CHLORIDE SOLUTION			
			18
MAGNESIUM HYDROXIDE SLURRY			
(C11-C50)			17
MAGNESIUM LONG-CHAIN ALKARYL SULPHONATE (C11-C50)			
(C11+)			17
MAGNESIUM LONG-CHAIN ALKYL SALICYLATE (C11+)			

		17	2215
MALEIC ANHYDRIDE			
		18	
Maltitol	MALTITOL SOLUTION		
MALTITOL SOLUTION		18	
		18	
Maltitol syrup	MALTITOL SOLUTION		
		17	
MANGO KERNEL OIL			
	- (70%)	18	
Meglumine	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)		
		17	
MERCAPTOBENZOTHAZOL, SODIUM SALT SOLUTION			
		17	
Mesitylene	TRIMETHYLBENZENE (ALL ISOMERS)		
		17	1229
MESITYL OXIDE			
	1,3,5-	17	
Metaformaldehyde	1,3,5-TRIOXANE		
		17	
Metam-sodium	METAM SODIUM SOLUTION		
		17	
METAM SODIUM SOLUTION			
		17	2531
METHACRYLIC ACID			
- ()		17	
(45%			
)			
METHACRYLIC ACID – ALKOXPOLY (ALKYLENE OXIDE) METHACRYLATE COPOLYMER, SODIUM SALT AQUEOUS SOLUTION (45% OR			

LESS)			
-		17	2531
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	3079
METHACRYLONITRILE			
	45%	17	1198,2209
Methanal	FORMALDEHYDE SOLUTIONS (45% OR LESS)		
		17	
Methanamide	FORMAMIDE		
	42%	17	
Methanamine	METHYLAMINE SOLUTIONS (42% OR LESS)		
		17	
Methane carboxylic acid	ACETIC ACID		
		17	
Methanecarboxylic acid	ACETIC ACID		
		17	1779
Methanoic acid	FORMIC ACID		
		17	
Methanol	METHYL ALCOHOL		
		18	
Methenamine	HEXAMETHYLENETETRAMINE SOLUTIONS		
3- -1-		17	
3-METHOXY-1-BUTANOL			
3- -1-	3- -1-	17	
3-Methoxybutan-1-ol	3-METHOXY-1-BUTANOL		
3-		17	
3-METHOXYBUTYL ACETATE			
2-		17	
2-Methoxyethanol	ETHYLENE GLYCOL MONOALKYL ETHERS		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Methoxyethoxy)ethanol	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL(C1-C6) ETHER		
2-[2-(2-)]	(2-8) (C1-C6)	17	
	POLY(2-8)ALKYLENE GLYCOL		

2-[2-(2-Methoxyethoxy)ethoxy]ethanol	MONOALKYL(C1-C6) ETHER		
2-(2-)	(2-8) (C1-C6)	17	
2-(2-Methoxyethoxy)methyl acetate	POLY(2-8)ALKYLENE GLYCOL MONOALKYL (C1-C6) ETHER ACETATE		
2- 2-Methoxyethyl acetate	ETHYLENE GLYCOL METHYL ETHER ACETATE	17	
2- -2-	-	17	1993
2-Methoxy-2-methyl butane	TERT-AMYL METHYL ETHER		
3- -3- -1-	3- -3-	17	
3-Methoxy-3-methylbutan-1-ol	3-METHYL-3-METHOXYBUTANOL		
3- -3-	3- -3-	17	
3-Methoxy-3-methylbutyl alcohol	3-METHYL-3-METHOXYBUTANOL		
2- -1-		17	
2-Methoxy-1-methylethyl acetate	PROPYLENE GLYCOL METHYL ETHER ACETATE		
-(2- -1-)-2-		17	
-6-			
N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL CHLOROACETANILIDE			
2- -2-		17	
2-methoxy-2-methylpropane	METHYL TERT-BUTYL ETHER		
1- -2-		17	
1-Methoxypropan-2-ol	PROPYLENE GLYCOL MONOALKYL ETHER		
1- -2-		17	
1-Methoxy-2-propanol acetate	PROPYLENE GLYCOL METHYL ETHER ACETATE		
1-(2-) -2-	(2-8) (C1-C6)	17	
1-(2-Methoxypropoxy)propan-2-ol	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
3-[3-(3-)] -1-	(2-8) (C1-C6)	17	
3-[3-(3-Methoxypropoxy)propoxy]propan-1-ol	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		
Methoxytriglycol	(2-8) (C1-C6)	17	
	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER		

		17	1275
Methylacetaldehyde	PROPIONALDEHYDE		
		17	
METHYL ACETATE			
		17	1848
Methylacetic acid	PROPIONIC ACID		
		17	
METHYL ACETOACETATE			
		17	
Methyl acetylacetate	METHYL ACETOACETATE		
-		17	1143
beta-Methylacrolein	CROTONALDEHYDE		
		17	1919
METHYL ACRYLATE			
2-		17	2531
2-Methylacrylic acid	METHACRYLIC ACID		
2- ()		17	
2-Methylacrylic acid, dodecyl ester	DODECYL METHACRYLATE		
2-		17	
2-Methylacrylic acid, lauryl ester	DODECYL METHACRYLATE		
		17	
METHYL ALCOHOL			
42%		17	1235
METHYLAMINE SOLUTIONS			
(42% OR LESS)			
1- -2-	-	17	1708
1-Methyl-2-aminobenzene	O-TOLUIDINE		
2- -1-	-	17	1708
2-Methyl-1-aminobenzene	O-TOLUIDINE		
		17	1233
METHYLAMYL ACETATE			
		17	2053
METHYLAMYL ALCOHOL			
		17	1110
METHYL AMYL KETONE			
		17	1110
Methyl n-amyl ketone	METHYL AMYL KETONE		
2-	-	17	1708
2-Methylaniline	O-TOLUIDINE		
3-	-	17	1708
3-Methylaniline	O-TOLUIDINE		

-	-	17	1708
o-Methylaniline	O-TOLUIDINE		
2-	-	17	1708
2-Methylbenzenamine	O-TOLUIDINE		
3-	-	17	1708
3-Methylbenzenamine	O-TOLUIDINE		
-	-	17	1708
o-Methylbenzenamine	O-TOLUIDINE		
		17	1294
Methylbenzene	TOLUENE		
		17	1709
Methylbenzenediamine	TOLUENEDIAMINE		
		17	1294
Methylbenzol	TOLUENE		
2- -1,3-		17	1218
2-Methyl-1,3-butadiene	ISOPRENE		
3- -1,3-		17	1218
3-Methyl-1,3-butadiene	ISOPRENE		
2-		17	2058
2-Methylbutanal	VALERALDEHYDE (ALL ISOMERS)		
3-		17	2058
3-Methylbutanal	VALERALDEHYDE (ALL ISOMERS)		
1-		17	1265
1-Methylbutane	PENTANE (ALL ISOMERS)		
2-		17	1265
2-Methylbutane	PENTANE (ALL ISOMERS)		
		17	1237
Methyl butanoate	METHYL BUTYRATE		
2- -2-		17	
2-Methyl-2-butanol	TERT-AMYL ALCOHOL		
2- -2-		17	
2-Methylbutan-2-ol	TERT-AMYL ALCOHOL		
2- -4-		17	
2-Methyl-4-butanol	ISOAMYL ALCOHOL		
3- -1-		17	
3-Methylbutan-1-ol	ISOAMYL ALCOHOL		
3- -1-		17	
3-Methyl-1-butanol	AMYL ALCOHOL, PRIMARY		
3- -1- 3-Methylbutan-1-ol		17	
	AMYL ALCOHOL, PRIMARY		

	MONOALKYL(C1-C6) ETHER		
	(2-8) (C1-C6)	17	
Methyl 'carbitol' acetate	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL (C1-C6) ETHER ACETATE	17	
Methyl 'cellosolve'	ETHYLENE GLYCOL MONOALKYL ETHERS	17	
Methyl 'cellosolve' acetate	ETHYLENE GLYCOL METHYL ETHER		
	ACETATE		
	1,1,1-	17	2831
Methylchloroform	1,1,1-TRICHLOROETHANE	17	1648
Methyl cyanide	ACETONITRILE	17	2296
METHYLCYCLOHEXANE		17	
METHYLCYCLOPENTADIENE			
DIMER			
-1,3-		17	
Methyl-1,3-cyclopentadiene dimer	METHYLCYCLOPENTADIENE DIMER	17	3281
METHYLCYCLOPENTADIENYL			
MANGANESE TRICARBONYL		17	
METHYL DIETHANOLAMINE			
4- -1,3- -2-		18	
4-Methyl-1,3-dioxolan-2-one	PROPYLENE CARBONATE	17	2381
Methyl disulphide	DIMETHYL DISULPHIDE	17	2489
(4-)			
Methylenebis(4-cyanatobenzene)	DIPHENYLMETHANE DIISOCYANATE	17	2489
()			
Methylenebis(phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	2489
()			
Methylenebis(phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	2489
()			
Methylenebis(p-phenylene isocyanate)	DIPHENYLMETHANE DIISOCYANATE	17	2489
4,4'- ()		17	2489

4,4'-Methylenebis(phenyl isocyanate)	DIPHENYLMETHANE DIISOCYANATE		
S,S'-		19- 35	17
4 -8	ALKYL DITHIOCARBAMATE (C19-C35)		
(C4-C8)]		
S,S'-Methylenebis[N-dialkyl(C4-C8)dithiocarbamate]			17
Methylene bromide	DIBROMOMETHANE		17 1593
Methylene chloride	DICHLOROMETHANE		17 1593
Methylene dichloride	DICHLOROMETHANE		17 2489
4,4'-			17 2489
4,4'-Methylenediphenyl diisocyanate	DIPHENYLMETHANE DIISOCYANATE		17 2489
- -			17 2489
Methylenedi-p-phenylene diisocyanate	DIPHENYLMETHANE DIISOCYANATE		17 2489
4,4'-			17 2531
4,4'-Methylenediphenyl isocyanate	DIPHENYLMETHANE DIISOCYANATE		17
2-			17
2-Methylenepropionic acid	METHACRYLIC ACID		17
Methyl ethanoate	METHYL ACETATE		17 1220
1-			17 1221
1-Methylethyl acetate	ISOPROPYL ACETATE		17
1-			17
1-Methylethylamine	ISOPROPYLAMINE		17
2- -6-			17
2-METHYL-6-ETHYL ANILINE			17
1,4-			17
1,4-methyl ethyl benzene	ETHYL TOLUENE		18
,	-		18
Methylethylcarbinol	SEC-BUTYL ALCOHOL		18
Methyl ethylene glycol	PROPYLENE GLYCOL		18
Methylethylene glycol	PROPYLENE GLYCOL		17 1280
Methylethylene oxide	PROPYLENE OXIDE		17
METHYL ETHYL KETONE			17
N-(1-) -2-			17 1158

N-(1-Methylethyl)propan-2-amine	DIISOPROPYLAMINE		
2- -5-		17	2300
2-METHYL-5-ETHYL PYRIDINE			
		17	1243
METHYL FORMATE			
N- - -	N- 70%	18	
N-methyl-D-glucamine	N-METHYLGLUCAMINE SOLUTION (70% OR LESS)		
N- 70%		18	
N-METHYLGLUCAMINE SOLUTION (70% OR LESS)			
		18	
Methyl glycol	PROPYLENE GLYCOL		
5- -3- 5-Methylheptan-3-one	· ()	17	2271
	ETHYL AMYL KETONE		
5- -3- 5-Methyl-3-heptanone	· ()	17	2271
	ETHYL AMYL KETONE		
5- -2-		17	1110
5-Methylhexan-2-one	METHYL AMYL KETONE		
		17	
Methylhexylcarbinol	OCTANOL (ALL ISOMERS)		
2-		17	
Methyl 2-hydroxybenzoate	METHYL SALICYLATE		
-		17	
Methyl o-hydroxybenzoate	METHYL SALICYLATE		
2- -2- -3-		17	
2-Methyl-2-hydroxy-3-butyne	METHYLBUTYNOL		
2- -2- -3-		17	
2-METHYL-2-HYDROXY-3-BUT YNE			
2,2'-()		17	
2,2'-(Methylimino)diethanol	METHYL DIETHANOLAMINE		
N- -2,2'-		17	
N-Methyl-2,2'-iminodiethanol	METHYL DIETHANOLAMINE		
		17	1110
Methyl isoamyl ketone	METHYL AMYL KETONE		
		17	1229
Methyl isobutenyletone	MESITYL OXIDE		
		17	2053
Methylisobutylcarbinol	METHYLAMYL ALCOHOL		
		17	1233

Methylisobutylcarbinol acetate	METHYLAMYL ACETATE	17	
METHYL ISOBUTYL KETONE			
2-		17	1541
2-Methylacetonitrile	ACETONE CYANOHYDRIN		
	3-()	17	
methyl mercaptopropionaldehyde	3-(METHYLTHIO)PROPIONALDEHYDE	17	1247
METHYL METHACRYLATE		17	
Methyl methanoate	METHYL FORMATE		
3- -3-		17	
3-METHYL-3-METHOXYBUTANOL			
-		17	1247
Methyl alpha-methylacrylate	METHYL METHACRYLATE		
7- -3- -1,6-		17	
7-Methyl-3-methylene-1,6-octadiene	MYRCENE		
2 2-		17	
Methyl 2-methylprop-2-enoate	METHYL METHACRYLATE		
		17	
METHYL NAPHTHALENE (MOLTEN)			
-		17	
alpha-Methylnaphthalene	METHYL NAPHTHALENE (MOLTEN)		
-		17	
beta-Methylnaphthalene	METHYL NAPHTHALENE (MOLTEN)		
(- -)	- -	17	1664
(o- and p-) Methylnitrobenzene	O- OR P-NITROTOLUENES		
8- -1-		17	
8-Methylnonan-1-ol	DECYL ALCOHOL (ALL ISOMERS)		
	N-	18	
Methylolpropane	N-BUTYL ALCOHOL		
- - -		17	
alpha-Methyl-omega-methoxypoly(ethylene oxide)	POLYETHYLENE GLYCOL DIMETHYL ETHER		
- - - -1 2-		17	
	POLYETHYLENE GLYCOL DIMETHYL ETHER		
alpha-Methyl-omega-methoxypoly(oxymethylene)			
- - -		17	

alpha-Methyl-omega-methoxypoly(ox yethylene)	POLYETHYLENE GLYCOL DIMETHYL ETHER	17	1280
Methyloxirane	PROPYLENE OXIDE	18	
2- -2,4-	HEXYLENE GLYCOL	18	
2-Methyl-2,4-pentanediol	HEXYLENE GLYCOL	17	2053
2- -2,4-	HEXYLENE GLYCOL	17	2053
2-Methylpentane-2,4-diol	METHYLAMYL ALCOHOL	17	2053
-2-	METHYLAMYL ALCOHOL	17	2053
Methylpentan-2-ol	METHYLAMYL ALCOHOL	17	2053
4- -2-	METHYLAMYL ALCOHOL	17	2053
4-Methylpentanol-2	METHYLAMYL ALCOHOL	17	1233
4- -2-	METHYLAMYL ALCOHOL	17	1233
4-Methylpentan-2-ol	METHYLAMYL ACETATE	17	
4- -2-	METHYLAMYL ACETATE	17	
4-Methyl-2-pentanol acetate	METHYL ISOBUTYL KETONE	17	
4- -2-	METHYL ISOBUTYL KETONE	17	
4-Methyl-2-pentanone	METHYL ISOBUTYL KETONE	17	2370
4- -2-	METHYL ISOBUTYL KETONE	17	2370
4-Methylpentan-2-one	HEXENE (ALL ISOMERS)	17	2370
2-	HEXENE (ALL ISOMERS)	17	2370
2-Methylpentene	HEXENE (ALL ISOMERS)	17	2370
2- -1-	HEXENE (ALL ISOMERS)	17	2370
2-Methyl-1-pentene	HEXENE (ALL ISOMERS)	17	2370
2- -1-	HEXENE (ALL ISOMERS)	17	2370
2-Methylpent-1-ene	HEXENE (ALL ISOMERS)	17	1229
4- -1-	HEXENE (ALL ISOMERS)	17	1229
4-Methyl-1-pentene	MESITYL OXIDE	17	1229
4- -3- -2	MESITYL OXIDE	17	1233
4-Methyl-3-penten-2-one	METHYLAMYL ACETATE	17	1233
4- -2-	METHYLAMYL ACETATE	17	1993
4-Methylpent-3-en-2-one	TERT-AMYL METHYL ETHER	17	1110
4- -2-	METHYL AMYL KETONE	17	1709
4-Methyl-2-pentyl acetate	TOLUENEDIAMINE	17	1709
Methylpentyl acetates			
Methyl tert-pentyl ether			
Methyl pentyl ketone			
Methylphenylenediamine			
2- - -			

2-Methyl-m-phenylenediamine	TOLUENEDIAMINE		
4- - -		17	1709
4-Methyl-m-phenylenediamine	TOLUENEDIAMINE		
		17	2078
Methylphenylene diisocyanate	TOLUENE DIISOCYANATE		
4- -1,3-		17	2078
4-methyl-1,3-phenylene diisocyanate	TOLUENE DIISOCYANATE		
4- - -		17	2078
4-Methyl-m-phenylene diisocyanate	TOLUENE DIISOCYANATE		
2- -2-		17	2709
2-Methyl-2-phenylpropane	BUTYLBENZENE (ALL ISOMERS)		
2-		17	1129
2-Methylpropanal	BUTYRALDEHYDE (ALL ISOMERS)		
2- -1,3-		17	
2-METHYL-1,3-PROPANEDIOL			
2- -1-		17	1212
2-Methyl-1-propanol	ISOBUTYL ALCOHOL		
2- -1-		17	1212
2-Methylpropan-1-ol	ISOBUTYL ALCOHOL		
2- -2-		17	
2-Methyl-2-propanol	TERT-BUTYL ALCOHOL		
2- -2-		17	
2-Methylpropan-2-ol	TERT-BUTYL ALCOHOL		
2- -2-		17	3079
2-Methylprop-2-enenitrile	METHACRYLONITRILE		
2-		17	2531
2-Methylpropenoic acid	METHACRYLIC ACID		
-		17	2531
alpha-Methylpropenoic acid	METHACRYLIC ACID		
2- -1-		17	1229
2-Methylprop-1-enyl methyl ketone	MESITYL OXIDE		
2-		17	2348
2-Methylpropyl acrylate	BUTYL ACRYLATE (ALL ISOMERS)		
2- -1-		17	1212
2-Methyl-1-propyl alcohol	ISOBUTYL ALCOHOL		
2- -2-		17	
2-Methyl-2-propyl alcohol	TERT-BUTYL ALCOHOL		
-		17	2046
Methylpropylbenzene	P-CYMENE		
-		17	
Methylpropylcarbinol	SEC-AMYL ALCOHOL		
1- -1-		17	2370

1-Methyl-1-propylethylene	HEXENE (ALL ISOMERS)		
2-		17	2393
2-Methylpropyl formate	ISOBUTYL FORMATE		
		18	1249
METHYL PROPYL KETONE			
2-		17	2313
2-METHYLPYRIDINE			
3-		17	2313
3-METHYLPYRIDINE			
4-		17	2313
4-METHYLPYRIDINE			
-	2-	17	2313
alpha-Methylpyridine	2-METHYLPYRIDINE		
1- -2-	N- -2-	17	
1-Methyl-2-pyrrolidinone	N-METHYL-2-PYRROLIDONE		
1- -2	N- -2-	17	
1-Methylpyrrolidin-2-one	N-METHYL-2-PYRROLIDONE		
N-	N- -2-	17	
N-Methylpyrrolidinone	N-METHYL-2-PYRROLIDONE		
1- -2-	N- -2-	17	
1-Methyl-2-pyrrolidone	N-METHYL-2-PYRROLIDONE		
N- -2-		17	
N-METHYL-2-PYRROLIDONE		17	
METHYL SALICYLATE			
		17	2618
Methylstyrene	VINYLTOLUENE		
-		17	2303
ALPHA-METHYLSTYRENE			
3-()		17	
3-(METHYLTHIO)PROPIONALD			
EHYDE			
2-	2- -1,3- 2-METHYL-1,3-PROPANEDIOL	17	
2-Methyltrimethylene glycol			
	2- -N- 2- -6- -N- 2- -1-	17	
Metolachlor	N-(2-METHOXY-1-METHYL ETHYL)-2-ETHYL-6-METHYL CHLOROACETANILIDE		
		17	
Middle oil	CARBOLIC OIL		
		17	

Milk acid	LACTIC ACID	18	
Milk of magnesia	MAGNESIUM HYDROXIDE SLURRY	17	
Mineral jelly	PETROLATUM	17	
Mineral wax	PETROLATUM	17	1993
Mixed aliphatic oxygenated hydrocarbons, primary aliphatic alcohols and aliphatic ethers: mol wt: >200	OXYGENATED ALIPHATIC HYDROCARBON MIXTURE	18	
MOLASSES		17	
MOLYBDENUM POLYSULFIDE LONG CHAIN ALKYL DITHIOCARBAMIDE COMPLEX			
Molybdenum Polysulfide Long Chain Alkyl Dithiocarbamide Complex.		17	1134
Monochlorobenzene	CHLORO BENZENE	17	1134
Monochlorobenzol	CHLORO BENZENE	17	2491
Monoethanolamine	ETHANOLAMINE	17	1036
Monoethylamine	ETHYLAMINE	17	2270
72%	72%		
Monoethylamine solutions, 72% or less	ETHYLAMINE SOLUTIONS (72% OR LESS)	17	
Monoisopropanolamine	ISOPROPANOLAMINE	17	1221
Monoisopropylamine	ISOPROPYLAMINE	17	1235
Monomethylamine	METHYLAMINE SOLUTIONS (42% OR LESS)	17	1235
42%			

Monomethylamine solutions, 42% or less	METHYLAMINE SOLUTIONS (42% OR LESS)	17	1227
	-	17	
Monopropylamine	N-PROPYLAMINE	18	
Monopropylene glycol	PROPYLENE GLYCOL	17	2054
MORPHOLINE		17	1649
()		17	
MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYL)		17	1789
Muriatic acid	HYDROCHLORIC ACID	17	
MYRCENE		17	
,		17	
Naphtha, coal tar	COAL TAR NAPHTHA SOLVENT	17	
()		17	2304
NAPHTHALENE (MOLTEN)		17	
- ,		17	
NAPHTHALENESULPHONIC ACID FORMALDEHYDE COPOLYMER, SODIUM SALT SOLUTION		17	
()	50%)	17	
Naphtha (petroleum), Light Steam-cracked Aromatics	ALKYL BENZENE MIXTURES (CONTAINING AT LEAST 50% OF TOLUENE)	17	
	, (15-20%)	17	1300
Naphtha safety solvent	WHITE SPIRIT, LOW (15-20%) AROMATIC	17	
NEODECANOIC ACID		17	
2,3-	10	17	
Neodecanoic acid, 2,3-epoxypropyl ester	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID	17	
	10	17	
Neodecanoic acid, glycidyl ester	GLYCIDYL ESTER OF C10 TRIALKYLACETIC ACID		

		17	
Neodecanoic acid vinyl ester	VINYL NEODECANOATE	17	1265
Neopentane	PENTANE (ALL ISOMERS)	17	
Neopentanoic acid	TRIMETHYLACETIC ACID	17	
	2,2- -1,3-	17	
Neopentylene glycol	2,2-DIMETHYLPROPANE-1,3-DIOL (MOLTEN OR SOLUTION)	17	1796
()		17	
NITRATING ACID (MIXTURE OF SULPHURIC AND NITRIC ACIDS)			
70%		17	2031 2032
NITRIC ACID (70% AND OVER)			
70%		17	2031
NITRIC ACID (LESS THAN 70%)			
70%		17	2031 2032
Nitric acid	NITRIC ACID (70% AND OVER)		
	70%	17	2031 2032
Nitric acid, red fuming	NITRIC ACID (70% AND OVER)		
		17	
NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION			
-2,2',2"-		17	
Nitrilo-2,2',2"-triethanol	TRIETHANOLAMINE		
2,2',2"-		17	
2,2',2"-Nitrilotriethanol	TRIETHANOLAMINE		
1,1',1"- -2-		17	
1,1',1"-Nitrilotripropan-2-ol	TRISOPROPANOLAMINE		
1,1',1"- -2-		17	
1,1',1"-Nitrilotri-2-propanol	TRISOPROPANOLAMINE		
1,1',1"- -2-		17	
1,1',1"-Nitrilotripropan-2-ol	TRISOPROPANOLAMINE		
		17	1662
NITROBENZENE			
		17	
Nitrobenzol	NITROBENZENE		
-	-	17	1578
o-Nitrochlorobenzene	O-CHLORONITROBENZENE		
		17	2842

NITROETHANE			
(80%)/	(20%)		17
NITROETHANE(80%)/			
NITROPROPANE(20%)			
, 1-	(15%		17
)			
NITROETHANE,			
1-NITROPROPANE (EACH 15%			
OR MORE) MIXTURE			
-	-		17 1663
ortho-Nitrophenol	O-NITROPHENOL (MOLTEN)		
2-	-		17 1663
2-Nitrophenol	O-NITROPHENOL (MOLTEN)		
2-	-		17 1663
2-Nitrophenol (molten)	O-NITROPHENOL (MOLTEN)		
-	-		17 1663
o-Nitrophenol	O-NITROPHENOL (MOLTEN)		
-			17 1663
O-NITROPHENOL (MOLTEN)			
1- 2-			17 2608
1- OR 2-NITROPROPANE			
(60%)/	(40%)		17
NITROPROPANE			
(60%)/NITROETHANE			
(40%) MIXTURE			
-	- -		17 1663
ortho-Nitrophenol	O-NITROPHENOL (MOLTEN)		
2-	- -		17 1663
2-Nitrophenol	O-NITROPHENOL (MOLTEN)		
2-	- -		17 1663
2-Nitrophenol (molten)	O-NITROPHENOL (MOLTEN)		
-	- -		17 1663
o-Nitrophenol	O-NITROPHENOL (MOLTEN)		
- -			17 1663
O-NITROPHENOL (MOLTEN)			
			17 1920
NONANE (ALL ISOMERS)			
1-			17
1-Nonanecarboxylic acid	DECANOIC ACID		

-		17	
n-Nonane	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	NONENE (ALL ISOMERS)	17	1920
Nonyl hydride	NONANE (ALL ISOMERS)	17	
NONYL METHACRYLATE MONOMER		17	
NONYLPHENOL (4+)		17	
NONYLPHENOL POLY(4+)ETHOXYLATE		17	
α -4- ω ()	(C9-C20) ALKARYL POLYETHERS (C9-C20)	17	
)alpha-4-Nonylphenyl-omega-hydroxypoly(oxyethylene)		17	2368
Nopinene	BETA-PINENE	17	2368
Nopinene	BETA-PINENE	17	
, NF, (1) N.O.S. ()		17	
.....			
.....) ST1, CAT. X			
NOXIOUS LIQUID, NF, (1) N.O.S.			

(TRADE
NAME, CONTAINS) ST1,
CAT. X
 , F, (2) N.O.S. 17
) ST1, CAT. X
NOXIOUS LIQUID, F, (2) N.O.S.

(TRADE
NAME, CONTAINS) ST1,
CAT. X
 , NF, (3) N.O.S. (17

) ST2, CAT. X
NOXIOUS LIQUID, NF, (3) N.O.S.

(TRADE
NAME, CONTAINS) ST2,
CAT. X
 , F, (4) N.O.S. (.... 17
) ST2, CAT. X
NOXIOUS LIQUID, F, (4) N.O.S.

(TRADE
NAME, CONTAINS) ST2,
CAT. X
 , NF, (5) N.O.S. (17

) ST2, CAT. Y
NOXIOUS LIQUID, NF, (5) N.O.S.

(TRADE
NAME, CONTAINS) ST2,
CAT. Y
 , F, (6) N.O.S. (17
E,
) ST2, CAT. Y
NOXIOUS LIQUID, F, (6) N.O.S.

(TRADE
NAME, CONTAINS) ST2,
CAT. Y
 , NF, (7) N.O.S. (17

) ST3, CAT. Y
NOXIOUS LIQUID, NF, (7) N.O.S.

(TRADE
NAME, CONTAINS) ST3,

CAT. Y

, F, (8) N.O.S. (.....), 17

....) ST3, CAT. Y

NOXIOUS LIQUID, F, (8) N.O.S.

(TRADE

NAME, CONTAINS) ST3,

CAT. Y

, NF, (9) N.O.S. (.....), 17

.....,

....) ST3, CAT. Z

NOXIOUS LIQUID, NF, (9) N.O.S.

(TRADE

NAME, CONTAINS) ST3,

CAT. Z

, F, (10) N.O.S. (.....), 17

....) ST3, CAT. Z

NOXIOUS LIQUID, F, (10) N.O.S.

(TRADE

NAME, CONTAINS) ST3,

CAT. Z

, (11) N.O.S. (.....), 18

....) CAT. Z

NOXIOUS LIQUID, (11) N.O.S.

(TRADE

NAME, CONTAINS) CAT. Z

-, (12) N.O.S. 18

(..... ,) CAT. OS

NON-NOXIOUS LIQUID, (12)

N.O.S.

(TRADE NAME,

CONTAINS) CAT. OS

-1- 13 17

Octadecan-1-ol ALCOHOLS (C13+)

1- 13 17

1-Octadecanol ALCOHOLS (C13+)

17 1191

Octanal OCTYL ALDEHYDES

(.....) 17 1262

OCTANE (ALL ISOMERS)

		17	
OCTANOIC ACID (ALL ISOMERS)		17	
		17	
OCTANOL (ALL ISOMERS)		17	
-1-		17	
Octan-1-ol	OCTANOL (ALL ISOMERS)	17	
		17	
OCTENE (ALL ISOMERS)		17	
		17	
Octic acid	OCTANOIC ACID (ALL ISOMERS)	17	
		17	
Octoic acid	OCTANOIC ACID (ALL ISOMERS)	17	
	2-	17	
Octyl acrylate	2-ETHYLHEXYL ACRYLATE	17	
	2-	17	
Octyl adipate	DI-(2-ETHYLHEXYL) ADIPATE	17	
	()	17	
Octyl alcohol	OCTANOL (ALL ISOMERS)	17	1191
		17	
OCTYL ALDEHYDES		17	
	()	17	
Octylcarbinol	NONYL ALCOHOL (ALL ISOMERS)	17	
		17	
OCTYL ALDEHYDES		17	
	7 -13	17	
Octyl decyl phthalate	DIALKYL (C7-C13) PHTHALATES	17	
		17	
Octylic acid	OCTANOIC ACID (ALL ISOMERS)	17	
	(C7-C9)	17	
Octyl nitrate	ALKYL (C7-C9) NITRATES	17	
	(C7-C9)	17	
Octyl nitrates (all isomers)	ALKYL (C7-C9) NITRATES	17	
	7 -13	17	
Octyl phthalate	DIALKYL (C7-C13) PHTHALATES	17	
	N-	17	
Oenanthic acid	N-HEPTANOIC ACID	17	
	N-	17	
Oenanthylic acid	N-HEPTANOIC ACID	17	1662

Oil of Mirbane	NITROBENZENE	17	1662
Oil of Myrbane	NITROBENZENE	17	1299
Oil of turpentine	TURPENTINE	17	1831
Oil of vitriol		17	1830
Oil of vitriol	SULPHURIC ACID	17	
Oil of wintergreen	METHYL SALICYLATE	17	
Oleamine	OLEYLAMINE	17	
- (2000)		17	
OLEFIN-ALKYL ESTER COPOLYMER (MOLECULAR WEIGHT 2000+)			
(C5-C7)		17	
OLEFIN MIXTURES (C5-C7)			
(5-C15)		17	
OLEFIN MIXTURES (C5-C15)			
(13 ,)		17	
OLEFINS (C13+, ALL ISOMERS)			
α - (C6-C18)			
ALPHA-OLEFINS (C6-C18) MIXTURES		17	
OLEIC ACID		17	1831
OLEUM		17	
OLEYLAMINE		17	
OLIVE OIL		17	
Orthophosphoric acid	PHOSPHORIC ACID	17	
	40%	17	
Oxal	GLYOXAL SOLUTION (40% OR LESS)		

	40%	17	
Oxaldehyde	GLYOXAL SOLUTION (40% OR LESS)		
3- -1,5-		18	
3-Oxapentane-1,5-diol	DIETHYLENE GLYCOL		
1,4-		17	2054
1,4-Oxazinane	MORPHOLINE		
2-	-	17	
2-Oxetanone	BETA-PROPIOLACTONE		
	(50%)	17	1760
Oxoacetic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)		
	(50%)	17	1760
Oxoethanoic acid	GLYOXYLIC ACID SOLUTION (50 % OR LESS)		
2,2'- 1-	2,2'-	17	2490
2,2'-Oxybis(1-chloropropane)	2,2'-DICHLOROISOPROPYL ETHER		
2,2-		17	
2,2'-Oxybis(ethyleneoxy)diethanol	TETRAETHYLENE GLYCOL		
2,2'-		17	1159
2,2'-Oxybispropane	ISOPROPYL ETHER		
2,2'-		18	
2,2'-Oxydiethanol	DIETHYLENE GLYCOL		
1,1'- -2-		17	
1,1'-Oxydipropan-2-ol	DIPROPYLENE GLYCOL		
	, 70%	17	3265
Oxyethanoic acid	GLYCOLIC ACID SOLUTION (70% OR LESS)		
		17	1993
OXYGENATED ALIPHATIC HYDROCARBON MIXTURE			
	45%	17	1198 2209
Oxymethylene	FORMALDEHYDE SOLUTIONS (45% OR LESS)		
		17	
PALM ACID OIL			
		17	
PALM FATTY ACID DISTILLATE			
		17	
PALM KERNEL ACID OIL			
		17	
PALM KERNEL OIL			
		17	

PALM KERNEL OLEIN		17	
PALM KERNEL STEARIN		17	
PALM MID-FRACTION		17	
PALM OIL		17	
PALM OIL FATTY ACID METHYL ESTER		17	
PALM OLEIN		17	
PALM STEARIN		17	
Paraffin	PARAFFIN WAX	17	
Paraffin jelly	PETROLATUM	17	
Paraffin scale - (10 -20) n-Paraffins (C10-C20)	PARAFFIN WAX - (10) N-ALKANES (C10+)	17	
PARAFFIN WAX ()		17	1264
PARALDEHYDE () -		17	2920
PARALDEHYDE-AMMONIA REACTION PRODUCT		17	1104
Pear oil	AMYL ACETATE (ALL ISOMERS)	17	
Pelargonic acid	NONANOIC ACID (ALL ISOMERS)	17	
Pelargonic alcohol	NONYL ALCOHOL (ALL ISOMERS)	17	1669
PENTACHLOROETHANE .	13	17	
Pentadecanol -1-	ALCOHOLS (C13+) 13 (C13+,)	17	
Pentadec-1-ene 1-	OLEFINS (C13+, ALL ISOMERS) 13 ()	17	

1-Pentadecene	OLEFINS (C13+, ALL ISOMERS)		
-1,3	1,3-	17	
Penta-1,3-diene	1,3-PENTADIENE		
1,3-		17	
1,3-PENTADIENE			
-1,3-	,	17	
Penta-1,3-diene	1,3-PENTADIENE		
		17	
Pentaethylene glycol	POLYETHYLENE GLYCOL		
		17	
PENTAETHYLENEHEXAMINE		17	1669
Pentalin	PENTACHLOROETHANE	17	1146
Pentamethylene	CYCLOPENTANE		
2,2,4,6,6- -4-	-	17	
2,2,4,6,6-Pentamethyl-4-heptanethiol	TERT-DODECANETHIOL	17	2058
Pentanal	VALERALDEHYDE (ALL ISOMERS)	17	1265
Pentane	PENTANE (ALL ISOMERS)	17	1265
PENTANE (ALL ISOMERS)			
, 50%	, 50%	17	
Pentanedial solutions, 50% or less	GLUTARALDEHYDE SOLUTIONS (50% OR LESS)		
-		17	1265
n-Pentane	PENTANE (ALL ISOMERS)	17	
PENTANOIC ACID			
- (64%)/2- (36%)		17	
N-PENTANOIC ACID			
(64%)/2-METHYL			
BUTYRIC ACID (36%)			
MIXTURE			
-		17	
tert-Pentanoic acid	TRIMETHYLACETIC ACID		
1- -		17	
1-Pentanol	N-AMYL ALCOHOL		
-1-	-	17	
Pentan-1-ol	N-AMYL ALCOHOL		

2-		17	
2-Pentanol	SEC-AMYL ALCOHOL		
-2-		17	
Pentan-2-ol	SEC-AMYL ALCOHOL		
3-		17	
3-Pentanol	SEC-AMYL ALCOHOL		
-3-		17	
Pentan-3-ol	SEC-AMYL ALCOHOL		
1-		17	1104
1-Pentanol acetate	AMYL ACETATE (ALL ISOMERS)		
-	-	17	
n-Pentanol	N-AMYL ALCOHOL		
		17	
sec-Pentanol	SEC-AMYL ALCOHOL		
		17	
tert-Pentanol	TERT-AMYL ALCOHOL		
-2-		18	1249
Pentan-2-one	METHYL PROPYL KETONE		
2-		18	1249
2-Pentanone	METHYL PROPYL KETONE		
	,	17	
Pentasodium diethylenetriaminepentaacetate	DIETHYLENETRIAMINEPENTAACETIC ACID, PENTASODIUM SALT SOLUTION		
		17	
PENTENE (ALL ISOMERS)			
-1-		17	
Pent-1-ene	PENTENE (ALL ISOMERS)		
-		17	
n-Pentene	PENTENE (ALL ISOMERS)		
		17	
Pentenes	PENTENE (ALL ISOMERS)		
		17	1104
Pentyl acetate	AMYL ACETATE (ALL ISOMERS)		
		17	1104
sec-Pentyl acetate	AMYL ACETATE (ALL ISOMERS)		
	N-	17	
Pentyl alcohol	N-AMYL ALCOHOL		
		17	
sec-Pentyl alcohol	SEC-AMYL ALCOHOL		
		17	
tert-Pentyl alcohol	TERT-AMYL ALCOHOL		

1-	9	17	
1-Phenyldodecane	ALKYL(C9+)BENZENES	17	1175
Phenylethane	ETHYLBENZENE	17	
Phenyl ether	DIPHENYL ETHER	17	2055
Phenylethylene	STYRENE MONOMER		
1-	1- -1-	17	
1-Phenylethylxylene	1-PHENYL-1-XYLYL ETHANE		
	10% (I)	17	1114
Phenyl hydride	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)	17	2312
Phenyl hydroxide	PHENOL	17	2312
Phenylic acid	PHENOL	17	1294
Phenylmethane	TOLUENE	17	
Phenylmethanol	BENZYL ALCOHOL	17	
Phenylmethyl acetate	BENZYL ACETATE	17	
1-		17	
1-Phenylpropane	PROPYLBENZENE (ALL ISOMERS)	17	
2-		17	
2-Phenylpropane	PROPYLBENZENE (ALL ISOMERS)	17	
2-	-	17	2303
2-Phenylpropene	ALPHA-METHYLSTYRENE		
1- ()	9	17	
1-Phenyltetradecane	ALKYL(C9+)BENZENES	17	
1- ()	9	17	
1-Phenyltridecane	ALKYL(C9+)BENZENES	17	
1- ()	9	17	
1-Phenylundecane	ALKYL(C9+)BENZENES	17	
	1- -1-	17	
Phenylxylylethane	1-PHENYL-1-XYLYL ETHANE		
1- -1-		17	
1-PHENYL-1-XYLYL ETHANE			
1- -1-(2,5-)	1- -1-	17	
1-Phenyl-1-(2,5-xylyl)ethane	1-PHENYL-1-XYLYL ETHANE		
1- -1-(3,4-)	1- -1-	17	
1-Phenyl-1-(3,4-xylyl)ethane	1-PHENYL-1-XYLYL ETHANE		

, (C12-14)		17	2053
PHOSPHATE ESTERS, ALKYL (C12-C14) AMINE			
L- α - L-alpha-Phosphatidyl choline	LECITHIN	18	
N-() N-(phosphonomethyl)glycine	N- GLYPHOSATE SOLUTION (NOT CONTAINING SURFACTANT)	17	
PHOSPHORIC ACID		17	1805
PHOSPHOROUS, YELLOW OR WHITE		17	1381 2447
Phthalandione	PHTHALIC ANHYDRIDE (MOLTEN)	17	2214
Phthalic acid anhydride	PHTHALIC ANHYDRIDE (MOLTEN)	17	2214
Phthalic acid, diundecyl ester	DIUNDECYL PHTHALATE	17	
PHTHALIC ANHYDRIDE (MOLTEN)		17	2214
2- 2-Picoline	2- 2-METHYLPYRIDINE	17	2213
3- 3-Picoline	3- 3-METHYLPYRIDINE	17	2213
4- 4-Picoline	4- 4-METHYLPYRIDINE	17	2213
- alpha-Picoline	2- 2-METHYLPYRIDINE	17	2213
- beta-Picoline	3- 3-METHYLPYRIDINE	17	2213
- gamma-Picoline	4- 4-METHYLPYRIDINE	17	2213
Pimelic ketone	CYCLOHEXANONE	17	1915
2- 2-Pinene	α- ALPHA-PINENE	17	2368
2(10)- 2(10)-Pinene	- BETA-PINENE	17	2368

-		17	2368
ALPHA-PINENE			
-		17	2368
BETA-PINENE			
		17	1272
PINE OIL			
2- -1-	-	17	2815
2-Piperazin-1-ylethylamine	N-AMINOETHYLPIPERAZINE		
	1,3-	17	
Piperylene	1,3-PENTADIENE		
		17	
Pivalic acid	TRIMETHYLACETIC ACID		
		17	
Poly(oxyethyleneoxyethyleneoxyphthaloyl)	DIETHYLENE GLYCOL PHTHALATE		
()		17	
Poly(propylene oxide)	POLYPROPYLENE GLYCOL		
	(4+)	17	
Poly(sodium carboxylatoethylene)	SODIUM POLY(4+)ACRYLATE SOLUTIONS		
(40%)		17	
POLYACRYLIC ACID			
SOLUTION (40% OR LESS)			
18 -22		17	
POLYALKYL (C18-C22)			
ACRYLATE IN			
XYLENE			
(2-8)		17	
(C1-C6)			
POLY(2-8)ALKYLENE GLYCOL			
MONOALKYL			
(C1-C6) ETHER			
(2-8)		17	
(C1-C6)			
POLY(2-8)ALKYLENE GLYCOL			
MONOALKYL			
(C1-C6) ETHER ACETATE			

(2-8) (C2-C3) / (C2-C10) (C1-C4)	:	(2-8) (C2-C3) / (C2-C10) (C1-C4)	17	
Poly (2-8) alkylene (C2-C3) glycols / Polyalkylene (C2-C10) glycol monoalkyl (C1-C4) ethers and their borate esters		BRAKE FLUID BASE MIX: POLY(2-8) ALKYLENE (C2-C3) GLYCOLS/POLYALKYLENE (C2-C10) GLYCOLS MONOALKYL (C1-C4) ETHERS AND THEIR BORATE ESTERS		
			17	
10 -20				
POLYALKYL (C10-C20) METHACRYLATE (C10-C18) / -			17	3257
POLYALKYL (C10-C18) METHACRYLATE/ETHYLENE-PROPYLENE COPOLYMER MIXTURE				
			18	
POLYALUMINIUM CHLORIDE SOLUTION			17	
POLYBUTENE			17	
POLYBUTENYL SUCCINIMIDE			17	
2+ POLY(2+)CYCLIC AROMATICS			17	
1350+ POLYETHER (MOLECULAR WEIGHT 1350+)			17	
			17	
POLYETHYLENE GLYCOL 4-12		(4+) NONYLPHENOL POLY(4+)ETHOXYLATE	17	
Poly(4-12)ethylene glycol alkyl(C7-C11)phenyl ether				
			17	
POLYETHYLENE GLYCOL DIMETHYL ETHER				
-		(C9-C20)	17	

Polyethylene glycols, mono(p-nonylphenyl) ether	ALKARYL POLYETHERS (C9-C20)		
[]	1350+		17
Poly[ethylene oxide]	POLYETHER (MOLECULAR WEIGHT 1350+)		
POLYETHYLENE POLYAMINES			
C5-C20 50%			17 2734(i) 2735
POLYETHYLENE POLYAMINES (MORE THAN 50% C5 -C20 PARAFFIN OIL)			
C5-C20	C5-C20 50%		17 2734(i) 2735
Polyethylene polyamines (in C5 - C20 paraffin oil).	POLYETHYLENE POLYAMINES (MORE THAN 50% C5 -C20 PARAFFIN OIL)		
			17
POLYFERRIC SULPHATE SOLUTION			
			18
Polyglucitol	HYDROGENATED STARCH HYDROLYSATE		
3%			18
POLYGLYCERIN, SODIUM SALT SOLUTION (CONTAINING LESS THAN 3% SODIUM HYDROXIDE)			
			18
Polyglycitol syrup	HYDROGENATED STARCH HYDROLYSATE		
()- - - () (90%)			17
POLY(IMINOETHYLENE)-GRA FT-N-POLY (ETHYLENEOXY) SOLUTION (90% OR LESS)			
(C10-C14)			17
POLYISOBUTENAMINE IN			

<hr/>		
ALIPHATIC (C10-C14) SOLVENT		17
POLYISOBUTENYL ANHYDRIDE ADDUCT		17
	4	17
Polyisobutylene	POLY(4+)ISOBUTYLEN	17
4		17
POLY(4+)ISOBUTYLENE		17
		2206(i) 2207
POLYMETHYLENE		
POLYPHENYL ISOCYANATE (300+)		17
POLYOLEFIN (MOLECULAR WEIGHT 300+)		
(17)		17
POLYOLEFIN AMIDE ALKENEAMINE (C17+)		
28 -250		17
POLYOLEFIN AMIDE ALKENEAMINE BORATE (C28-C250)		
28 -250		17
POLYOLEFINAMINE (C28-C250)		
2 -4		17
POLYOLEFINAMINE IN ALKYL (C2-C4) BENZENES		17
POLYOLEFINAMINE IN AROMATIC SOLVENT		
(2000+)		
POLYOLEFIN AMINOESTER SALTS (MOLECULAR WEIGHT 2000+)		17
		17
POLYOLEFIN ANHYDRIDE 28 -250		17
POLYOLEFIN ESTER (C28-C250)		

(28 -250)		17	
POLYOLEFIN PHENOLIC AMINE (C28-C250)			
, (28 -250)		17	
POLYOLEFIN PHOSPHOROSULPHIDE, BARIUM DERIVATIVE (C28-C250)			
[]	1350+	17	
Poly[oxyethylene]	POLYETHER (MOLECULAR WEIGHT 1350+)		
(20)		17	
POLY(20)OXYETHYLENE SORBITAN MONOOLEATE			
[- - - (2-)]	F DIGLYCIDYL ETHER OF BISPHENOL F	17	
poly[oxy-p-phenylenemethylene-p-ph enyleneoxy(2- hydroxytrimethylene)]			
[]	1350+	17	
Poly[oxypropylene]	POLYETHER (MOLECULAR WEIGHT 1350+)		
[()- -]		17	2206(i) 2207
poly[(phenyl isocyanate)-alt-formaldehyde]	POLYMETHYLENE POLYPHENYL ISOCYANATE		
[()- -]		17	2206(i) 22
Poly[(phenyl isocyanate)-co-formaldehyde]	POLYMETHYLENE POLYPHENYL ISOCYANATE		
Polyphenyl-polymethylene isocyanate	POLYMETHYLENE POLYPHENYL ISOCYANATE	17	2206(i) 2207
[]	1350+	17	
Poly[propene oxide]	POLYETHER (MOLECULAR WEIGHT 1350+)		
	(5+)	17	
Polypropylene	POLY(5+)PROPYLENE		

(5+)		17	
POLY(5+)PROPYLENE			
		17	
POLYPROPYLENE GLYCOL			
		17	
POLYSILOXANE			
		17	
Potassium chloride drilling brine	POTASSIUM CHLORIDE SOLUTION		
		17	
POTASSIUM CHLORIDE SOLUTION			
		18	
POTASSIUM FORMATE SOLUTIONS			
		17	1814
POTASSIUM HYDROXIDE SOLUTION			
		17	
POTASSIUM OLEATE (50%)			
		17	
POTASSIUM THIOSULPHATE (50% OR LESS)			
		17	1275
Propanal	PROPIONALDEHYDE		
-1-	-	17	1277
Propan-1-amine	N-PROPYLAMINE		
2-		17	1221
2-Propanamine	ISOPROPYLAMINE		
-1,2-		18	
Propane-1,2-diol	PROPYLENE GLYCOL		
1,2-		18	
1,2-Propanediol	PROPYLENE GLYCOL		
1,2-		18	
1,2-Propanediol cyclic carbonate	PROPYLENE CARBONATE		
		17	2404
Propanenitrile	PROPIONITRILE		
-1,2,3-		18	
Propane-1,2,3-triol	GLYCERINE		
1,2,3-		18	
1,2,3-Propanetriol	GLYCERINE		
1,2,3-		17	
1,2,3-Propane triol triacetate	GLYCERYL TRIACETATE		

Propanoic acid	PROPIONIC ACID	17	1848
Propanoic anhydride	PROPIONIC ANHYDRIDE	17	2496
Propanol	N-PROPYL ALCOHOL	17	1274
1-Propanol	N-PROPYL ALCOHOL	17	1274
-1-Propan-1-ol	N-PROPYL ALCOHOL	17	1274
2-Propanol	ISOPROPYL ALCOHOL	18	
-2-Propan-2-ol	ISOPROPYL ALCOHOL	18	
N-PROPANOLAMINE			
3-Propanolide	BETA-PROPIOLACTONE	17	
n-Propanol	N-PROPYL ALCOHOL	17	1274
Propanone	ACETONE	18	
-2-Propan-2-one	ACETONE	18	
2-Propanone	ACETONE	17	2074
,50%	(50%)		
Propenamide solution, 50% or less	ACRYLAMIDE SOLUTION (50% OR LESS)	17	1093
Propenenitrile	ACRYLONITRILE	17	1280
Propene oxide	PROPYLENE OXIDE	17	2218
Propenoic acid	ACRYLIC ACID	17	
2-Propenoic acid, homopolymer solution (40% or less)	(40%) POLYACRYLIC ACID SOLUTION (40% OR LESS)	17	

-2- -1-		17	1098
Prop-2-en-1-ol	ALLYL ALCOHOL		
1- -3		17	1098
1-Propenol-3	ALLYL ALCOHOL		
2- -1-		17	1098
2-Propen-1-ol	ALLYL ALCOHOL		
		17	1098
Propenyl alcohol	ALLYL ALCOHOL		
	-	17	
Propiolactone	BETA-PROPIOLACTONE		
-		17	
BETA-PROPIOLACTONE			
		17	1275
PROPIONALDEHYDE			
		17	1848
PROPIONIC ACID			
		17	1275
Propionic aldehyde	PROPIONALDEHYDE		
		17	2496
PROPIONIC ANHYDRIDE			
		17	2404
PROPIONITRILE			
-	-	17	
beta-Propionolactone	BETA-PROPIOLACTONE		
		17	2404
Propiononitrile	PROPIONITRILE		
		17	2496
Propionyl oxide	PROPIONIC ANHYDRIDE		
1- -2-		17	
1-Propoxypropan-2-ol	PROPYLENE GLYCOL MONOALKYL ETHER		
	-	17	
Propyl acetate	N-PROPYL ACETATE		
-		17	
N-PROPYL ACETATE			
		17	1224
Propyl acetone	METHYL BUTYL KETONE		
	-	17	1274
Propyl alcohol	N-PROPYL ALCOHOL		
2-		18	
2-Propyl alcohol	ISOPROPYL ALCOHOL		
-		17	1274
N-PROPYL ALCOHOL			
		18	

sec-Propyl alcohol	ISOPROPYL ALCOHOL	17	1275
Propyl aldehyde	PROPIONALDEHYDE	17	1277
Propylamine	N-PROPYLAMINE	17	1277
-		17	1277
N-PROPYLAMINE		17	
PROPYLBENZENE (ALL ISOMERS)		17	
-		17	
n-Propylbenzene	PROPYLBENZENE (ALL ISOMERS)	18	
Propylcarbinol	N-BUTYL ALCOHOL	17	1143
Propylene aldehyde	CROTONALDEHYDE	17	1193
2,2'-	(8 -9	17	1193
2,2'-[Propylenebis(nitrilomethylene)] diphenol	ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS	18	
PROPYLENE CARBONATE		17	1279
()	1,2-	17	1279
Propylene chloride	1,2-DICHLOROPROPANE	17	1279
()	1,2-	17	1279
Propylene dichloride	1,2-DICHLOROPROPANE	17	1993
, '() - -	(8 -9	17	1993
alpha,alpha'- (Propylenedinitrilo)di-o-cresol	ALKYL (C8-C9) PHENYLAMINE IN AROMATIC SOLVENTS	17	1280
Propylene epoxide	PROPYLENE OXIDE	18	
PROPYLENE GLYCOL		18	
1,2-		17	
PROPYLENE GLYCOL	PROPYLENE GLYCOL	17	
Propylene glycol n-butyl ether	PROPYLENE GLYCOL MONOALKYL ETHER	17	
Propylene glycol ethyl ether	PROPYLENE GLYCOL MONOALKYL ETHER	17	
Propylene glycol methyl ether	PROPYLENE GLYCOL MONOALKYL ETHER	17	
PROPYLENE GLYCOL		17	

METHYL ETHER			
ACETATE			
		17	
PROPYLENE GLYCOL			
MONOALKYL			
ETHER			
		17	
Propylene glycol monobutyl ether	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	
Propylene glycol monomethyl ether	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	
PROPYLENE GLYCOL PHENYL			
ETHER			
		17	
Propylene glycol propyl ether	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	
Propylene glycol trimer	TRIPROPYLENE GLYCOL		
1,2-		17	
1,2-Propylene glycol trimer	TRIPROPYLENE GLYCOL		
-		17	
Propylene glyco beta-monoethyl ether	PROPYLENE GLYCOL MONOALKYL ETHER		
		17	1280
PROPYLENE OXIDE			
		17	2850
PROPYLENE TETRAMER			
		17	2057
PROPYLENE TRIMER			
		17	
Propylethylene	PENTENE (ALL ISOMERS)		
		18	1249
Propyl methyl ketone	METHYL PROPYL KETONE		
- -1-	- -	17	2383
N-Propyl-1-propanamine	DI-N-PROPYLAMINE		
		17	
Pseudobutylene glycol	BUTYLENE GLYCOL		
		17	
Pseudocumene	TRIMETHYLBENZENE (ALL ISOMERS)		
	-	17	2368
Pseudopinene	BETA-PINENE		
	-	17	2368
Pseudopinene	BETA-PINENE		
	()	17	
Pygas	PYROLYSIS GASOLINE (CONTAINING		

	BENZENE)		
		17	1282
PYRIDINE			
		18	
Pyroacetic acid	ACETONE		
		18	
Pyroacetic ether	ACETONE		
()		17	
PYROLYSIS GASOLINE			
(CONTAINING BENZENE)			
()	10% (I)	17	1114
Pyrolysis gasoline (steam-cracked naphtha)	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)		
10%	10% (I)	17	1114
Pyrolysis gasoline, containing 10% or more benzene	BENZENE AND MIXTURES HAVING 10% BENZENE OR MORE (I)		
		17	1199
Pyromucic aldehyde	FURFURAL		
		17	
RAPESEED OIL			
		17	
RAPE SEED OIL FATTY ACID METHYL ESTERS			
		17	
RESIN OIL, DISTILLED			
		17	
RICE BRAN OIL			
		17	
ROSIN			
		18	
Rubbing alcohol	ISOPROPYL ALCOHOL		
	, (15-20%)	17	1300
Safety solvent	WHITE SPIRIT, LOW (15-20%) AROMATIC		
		17	
SAFFLOWER OIL			
(13)	(13)	17	
Saturated fatty acid (C13 and above)	FATTY ACID (SATURATED C13+)		
SHEA BUTTER			
		17	

Silvite	POTASSIUM CHLORIDE SOLUTION	17	1832
Sludge acid	SULPHURIC ACID, SPENT	17	
Soda ash	SODIUM CARBONATE SOLUTION	17	1824
Soda lye	SODIUM HYDROXIDE SOLUTION	18	
SODIUM ACETATE SOLUTIONS			
	45%	17	2693
Sodium acid sulphite	SODIUM HYDROGEN SULPHITE SOLUTION (45% OR LESS)	17	
Sodium alkylbenzene sulphonate	ALKYLBENZENE SULPHONIC ACID, SODIUM SALT SOLUTION	17	
C14-C17) (60-65%		17	
)			
SODIUM ALKYL (C14-C17) SULPHONATES (60-65% SOLUTION)		17	
SODIUM ALUMINOSILICATE SLURRY			
Sodium aminoacetate solution	GLYCINE, SODIUM SALT SOLUTION	17	
()		17	
SODIUM BENZOATE			
1,3- -2-		17	
Sodium 1,3-benzothiazole-2-thiolate solution	MERCAPTOBENZOTHIAZOL, SODIUM SALT SOLUTION	17	
1,3- -2-		17	
Sodium 1,3-benzothiazol-2-yl sulphide solution	MERCAPTOBENZOTHIAZOL, SODIUM SALT SOLUTION	17	
Sodium bichromate	SODIUM DICHROMATE SOLUTION (70% OR LESS)	17	2949
	45%	17	
Sodium bisulphide	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)	17	
(15%)/		17	
SODIUM BOROXYDRIDE (15%			

OR			
LESS)/SODIUM HYDROXIDE SOLUTION		17	
SODIUM CARBONATE SOLUTION			
50%		17	2428
SODIUM CHLORATE SOLUTION (50% OR LESS)			
	,	17	
Sodium cresylate	CRESYLIC ACID, SODIUM SALT SOLUTION		
70%		17	
SODIUM DICHROMATE SOLUTION (70% OR LESS)			
		17	
Sodium glycinate solution	GLYCINE, SODIUM SALT SOLUTION		
		17	1824
Sodium hydrate	SODIUM HYDROXIDE SOLUTION		
	45%	17	2949
Sodium hydrogensulphide	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)		
(6%)/ (3%		17	
)			
SODIUM HYDROGEN SULPHIDE (6% OR LESS)/SODIUM CARBONATE (3% OR LESS) SOLUTION			
45%		17	2693
SODIUM HYDROGEN SULPHITE SOLUTION (45% OR LESS)			
/		17	
SODIUM HYDROSULPHIDE/AMMONIUM SULPHIDE SOLUTION			
45%		17	2949
SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)			
		17	1824
SODIUM HYDROXIDE			

SOLUTION			
15%		17	1791
SODIUM HYPOCHLORITE			
SOLUTION			
(15% OR LESS)			
	, LIGNINSULPHONIC ACID,	17	3806
Sodium lignosulphonate	SODIUM SALT		
	SOLUTION		
	45%	17	2949
Sodium mercaptan	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)		
	45%	17	2949
Sodium mercaptide	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)		
		17	
Sodium methylcarbomodithioate	METAM SODIUM SOLUTION		
N-		17	
Sodium N-methyldithiocarbamate	METAM SODIUM SOLUTION		
		17	
Sodium methyldithiocarbamate solution	METAM SODIUM SOLUTION		
		17	1500
SODIUM NITRITE SOLUTION			
		17	
SODIUM PETROLEUM			
SULPHONATE			
(4+)		17	
SODIUM POLY(4+)ACRYLATE			
SOLUTIONS			
	56%	17	
Sodium rhodanate	SODIUM THIOCYANATE SOLUTION (56% OR LESS)		
	56%	17	
Sodium rhodanide	SODIUM THIOCYANATE SOLUTION (56% OR LESS)		
	- ,	17	
Sodium salt of sulphonated naphthalene-formaldehyde condensate	NAPHTHALENESULPHONIC ACIDFORMALDEHYDE COPOLYMER, SODIUM SALT SOLUTION		
		17	

SODIUM SILICATE SOLUTION		18	
SODIUM SULPHATE SOLUTIONS			
15%		17	1385
SODIUM SULPHIDE SOLUTION (15% OR LESS)			
25%		17	
SODIUM SULPHITE SOLUTION (25% OR LESS)			
	56%	17	
Sodium sulphocyanate	SODIUM THIOCYANATE SOLUTION (56% OR LESS)		
	56%	17	
Sodium sulphocyanide	SODIUM THIOCYANATE SOLUTION (56% OR LESS)		
	45%	17	2949
Sodium sulphhydrate	SODIUM HYDROSULPHIDE SOLUTION (45% OR LESS)		
(15%) /	15% /	17	
Sodium tetrahydroborate (15% or less) / sodium hydroxide solution	SODIUM BOROHYDRIDE (15% OR LESS)/SODIUM HYDROXIDE SOLUTION		
(56%)		17	
SODIUM THIOCYANATE SOLUTION (56% OR LESS)			
	,	17	
Sodium tolyl oxides	CRESYLIC ACID, SODIUM SALT SOLUTION		
'D-D ' /		17	
'D-D Soil fumigant'	DICHLOROPROPENE/DICHLOROPROPANE MIXTURES		
d-		18	
d-Sorbitol	SORBITOL SOLUTION		
d -		18	
d-Sorbitol	SORBITOL SOLUTION		
		18	
SORBITOL SOLUTION			
		17	
SOYABEAN OIL			
		17	1299

Spirit of turpentine	TURPENTINE	18	
Spirits of wine	ETHYL ALCOHOL	17	1300
	, (15-20%)		
Stoddard solvent	WHITE SPIRIT, LOW (15-20%) AROMATIC	17	2055
STYRENE MONOMER		17	2055
Styrol	STYRENE MONOMER	17	2241
Suberane	CYCLOHEPTANE	17	
10 -21		17	
Sulfonic acid, alkane(C10-C21) phenyl ester	ALKYL SULPHONIC ACID ESTER OF PHENOL	17	
(C3-C88)		17	
SULPHOHYDROCARBON (C3-C88)		17	
SULPHOLANE		18	
SULPHONATED POLYACRYLATE SOLUTION		17	2448
SULPHUR (MOLTEN)		17	1830
SULPHURIC ACID		17	1831
Sulphuric acid, fuming	OLEUM	17	1832
SULPHURIC ACID, SPENT		17	1754
Sulphuric chlorohydrin	CHLOROSULPHONIC ACID	17	1155
Sulphuric ether	DIETHYL ETHER	17	
(14 -20)		17	
SULPHURIZED FAT (C14-C20) (C28-C250)		17	
SULPHURIZED POLYOLEFINAMIDE ALKENE (C28-C250) AMINE		17	

SUNFLOWER SEED OIL

		17	
Sweet-birch oil	METHYL SALICYLATE		
-		17	1184
sym-Dichloroethane	ETHYLENE DICHLORIDE		
-		17	1916
sym-Dichloroethyl ether	DICHLOROETHYL ETHER		
-		17	
sym-Dimethylethylene glycol	BUTYLENE GLYCOL		
-		17	1702
sym-Tetrachloroethane	TETRACHLOROETHANE		
- ()	1,2,4- ()	17	2321
sym-Trichlorobenzene	1,2,4-TRICHLOROBENZENE		
-	1,3,5-	17	
sym-Trioxane	1,3,5-TRIOXANE		
		17	
TALL OIL, CRUDE			
		17	
TALL OIL, DISTILLED			
20%		17	
TALL OIL FATTY ACID (RESIN ACIDS LESS THAN 20%)			
		17	
TALL OIL PITCH			
		17	
TALLOW			
		17	
TALLOW FATTY ACID			
	()	17	2076
Tar acids	CRESOLS (ALL ISOMERS)		
		17	2304
Tar camphor	NAPHTHALENE (MOLTEN)		
-		17	2368
Terebenthene	BETA-PINENE		
3,6,9,12-		17	
3,6,9,12-Tetraazatetradecamethylenediamine	PENTAETHYLENEHEXAMINE		
3,6,9,12- -1,14-		17	
3,6,9,12-Tetraazatetradecane-1,14-diamine	PENTAETHYLENEHEXAMINE		
1,3,5,7- [3.3.1.13,7]-		18	
	HEXAMETHYLENETETRAMINE SOLUTIONS		

1,3,5,7-Tetraazatricyclo[3.3.1.1.3,7]-d ecane		17	1702
TETRACHLOROETHANE			
1,1,2,2-		17	1702
1,1,2,2-Tetrachloroethane	TETRACHLOROETHANE		
		17	1897
Tetrachloroethylene	PERCHLOROETHYLENE		
1,1,2,2-		17	1897
1,1,2,2-tetrachloroethylene	PERCHLOROETHYLENE		
		17	1846
Tetrachloromethane	CARBON TETRACHLORIDE		
-1-	13	17	
Tetradecan-1-ol	ALCOHOLS (C13+)		
1-	13	17	
1-Tetradecanol	ALCOHOLS (C13+)		
	13	17	
Tetradecene	OLEFINS (C13+, ALL ISOMERS)		
	9	17	
Tetradecylbenzene	ALKYL(C9+)BENZENES		
		17	
TETRAETHYLENE GLYCOL		17	2320
TETRAETHYLENE			
PENTAMINE			
	()	17	1649
Tetraethyllead	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYL)		
	()	17	1649
Tetraethylplumbane	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYL)		
/ (20%))		18	
TETRAETHYL SILICATE			
MONOMER/OLIGOMER (20% IN ETHANOL)			
3a,4,7,7a- -3,5- -4,7- -1H-	METHYLCYCLOPENTADIENE DIMER	17	
3a,4,7,7a-Tetrahydro-3,5-dimethyl-4, 7-methan 1H-indene		17	2056
TETRAHYDROFURAN		17	

TETRAHYDRONAPHTHALENE			
1,2,3,4-		17	
1,2,3,4-Tetrahydronapthalene	TETRAHYDRONAPHTHALENE		
-2H-1,4-		17	2054
Tetrahydro-2H-1,4-oxazine	MORPHOLINE		
2H- -1,4-		17	2054
2H-Tetrahydro-1,4-oxazine	MORPHOLINE		
-1-		17	
Tetrahydrothiophene-1-dioxide	SULPHOLANE		
1,1-		17	
Tetrahydrothiophene 1,1-dioxide	SULPHOLANE		
		17	
Tetralin	TETRAHYDRONAPHTHALENE		
		17	
TETRAMETHYLBENZENE (ALL ISOMERS)			
1,2,3,4-		17	
1,2,3,4-Tetramethylbenzene	TETRAMETHYLBENZENE (ALL ISOMERS)		
1,2,3,5-		17	
1,2,3,5-Tetramethylbenzene	TETRAMETHYLBENZENE (ALL ISOMERS)		
1,2,4,5-		17	
1,2,4,5-Tetramethylbenzene	TETRAMETHYLBENZENE (ALL ISOMERS)		
		17	2205
Tetramethylene cyanide	ADIPONITRILE		
		17	2205
Tetramethylene dicyanide	ADIPONITRILE		
		17	
Tetramethylene glycol	BUTYLENE GLYCOL		
		17	2056
Tetramethylene oxide	TETRAHYDROFURAN		
		17	
Tetramethylenesulphone	SULPHOLANE		
	()	17	1649
Tetramethyllead	MOTOR FUEL ANTI-KNOCK COMPOUNDS (CONTAINING LEAD ALKYL)		
	9	17	
Tetrapropylbenzene	ALKYL(C9+)BENZENES		
		17	
Tetrapropylenebenzene	DODECYLBENZENE		
		17	2393

Tetryl formate	ISOBUTYL FORMATE		
1,1-		17	
Thiacyclopentan-1,1-dioxide	SULPHOLANE		
4-	3-()	17	
4-thiapentanal	3-(METHYLTHIO)PROPIONALDEHYDE		
-1,1-		17	
Thiacyclopentan-1,1-dioxide	SULPHOLANE		
		17	
Thiophan sulphone	SULPHOLANE		
	50%	17	
Thiosulphuric acid, dipotassium salt	POTASSIUM THIOSULPHATE (50% OR LESS)		
(IV)		17	
Titanium(IV) oxide	TITANIUM DIOXIDE SLURRY		
		17	
TITANIUM DIOXIDE SLURRY		17	1294
TOLUENE		17	1709
TOLUENEDIAMINE		17	1709
2,4-		17	1709
2,4-Toluenediamine	TOLUENEDIAMINE		
2,6-		17	1709
2,6-Toluenediamine	TOLUENEDIAMINE		
		17	2078
TOLUENE DIISOCYANATE			
2-	-	17	1708
2-Toluidine	O-TOLUIDINE		
-		17	1708
O-TOLUIDINE		17	1294
Toluol	TOLUENE		
-	-	17	1708
o-Tolylamine	O-TOLUIDINE		
2,4-		17	1709
2,4-Tolylenediamine	TOLUENEDIAMINE		
2,6-		17	1709
2,6-Tolylenediamine	TOLUENEDIAMINE		
		17	2078
Tolylenediisocyanate	TOLUENE DIISOCYANATE		
2,4-		17	2078
2,4-Tolylene diisocyanate	TOLUENE DIISOCYANATE		
-		17	2078
m-Tolylene diisocyanate	TOLUENE DIISOCYANATE		

		17	2215
Toxic anhydride	MALEIC ANHYDRIDE		
-1,3-	1,3-	17	
trans-1,3-Pentadiene	1,3-PENTADIENE		
		18	
Treacle	MOLASSES		
	40%	17	
Triacetin	GLYOXAL SOLUTION (40% OR LESS)		
3,6,9-		17	2320
3,6,9-Triazaundecamethylenediamine	TETRAETHYLENE PENTAMINE		
3,6,9- -1,11- ()		17	2320
	TETRAETHYLENE PENTAMINE		
3,6,9-Triazaundecane-1,11-diamine		17	
TRIBUTYL PHOSPHATE			
1,2,3- ()		17	
1,2,3-TRICHLOROENZENE			
(MOLTEN)			
1,2,4-		17	2321
1,2,4-TRICHLOROENZENE			
1,2,3-	1,2,3- ()	17	
1,2,3-Trichlorobenzol	1,2,3-TRICHLOROENZENE (MOLTEN)		
1,1,1-		17	2831
1,1,1-TRICHLOROETHANE			
1,1,2-		17	
1,1,2-TRICHLOROETHANE			
-	1,1,2-	17	
beta-Trichloroethane	1,1,2-TRICHLOROETHANE		
		17	1710
Trichloroethene	TRICHLOROETHYLENE		
		17	1710
TRICHLOROETHYLENE		17	1888
Trichloromethane	CHLOROFORM		
1,2,3-		17	
1,2,3-TRICHLOROPROPANE			
1,1,2- -1,2,2-		17	
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE			
1%		17	2574
)			
TRICRESYL PHOSPHATE			
(CONTAINING			

1% OR MORE ORTHO-ISOMER)			
(1%			17
)			
TRICRESYL PHOSPHATE			
(CONTAINING LESS THAN 1%			
ORTHO-ISOMER)			
			17
TRIDECANE			
			17
TRIDECANOIC ACID			
	13		17
Tridecanol	ALCOHOLS (C13+)		
	13		17
Tridecene	OLEFINS (C13+, ALL ISOMERS)		
			17
Tridecoic acid	TRIDECANOIC ACID		
			17
TRIDECYL ACETATE			
	13		17
Tridecyl alcohol	ALCOHOLS (C13+)		
	9		17
Tridecylbenzene	ALKYL(C9+)BENZENES		
	13		17
Tridecylic acid	FATTY ACID (SATURATED C13+)		
			17
()			17
Tri(dimethylphenyl) phosphate	TRIXYLYL PHOSPHATE		
			17
TRIETHANOLAMINE			
			17
TRIETHYLAMINE			
			17
TRIETHYLBENZENE			
			18
TRIETHYLENE GLYCOL			
	(2-8)	(C1-C6)	17
Triethylene glycol butyl ether	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL(C1-C6) ETHER		
	(2-8)	(C1-C6)	17
Triethylene glycol ethyl ether	POLY(2-8)ALKYLENE GLYCOL		
	MONOALKYL(C1-C6) ETHER		
	(2-8)	(C1-C6)	17

Triethylene glycol methyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER (2-8) (C1-C6)	17	
Triethylene glycol monobutyl ether	POLY(2-8)ALKYLENE GLYCOL MONOALKYL(C1-C6) ETHER	17	2259
TRIETHYLENETETRAMINE		17	
TRIETHYL PHOSPHATE		17	2323
TRIETHYLPHOSPHITE		17	
	1,3,5-	17	
Triformol	1,3,5-TRIOXANE	18	
Triglycol (2-)	TRIETHYLENE GLYCOL	17	
Tri(2-hydroxyethyl)amine	TRIETHANOLAMINE	18	
Trihydroxypropane	GLYCERINE	17	
Trihydroxytriethylamine	TRIETHANOLAMINE	17	
TRIISOPROPANOLAMINE		17	
TRIISOPROPYLATED PHENYL PHOSPHATES		17	
TRIMETHYLACETIC ACID 30%		17	1297
TRIMETHYLAMINE SOLUTION (30% OR LESS)		17	1125 1214
Trimethylaminomethane	BUTYLAMINE (ALL ISOMERS)	17	
TRIMETHYLBENZENE (ALL ISOMERS)		17	
1,2,3-		17	
1,2,3-Trimethylbenzene	TRIMETHYLBENZENE (ALL ISOMERS)	17	
1,2,4-		17	
1,2,4-Trimethylbenzene	TRIMETHYLBENZENE (ALL ISOMERS)	17	
1,3,5-		17	
1,3,5-Trimethylbenzene	TRIMETHYLBENZENE (ALL ISOMERS)	17	

2,6,6-	[3.1.1]	-2-	α -	17	2368
2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene			ALPHA-PINENE		
				17	
Trimethylcarbinol			TERT-BUTYL ALCOHOL		
1,1,3-	-3-	-5-		17	
1,1,3-Trimethyl-3-cyclohexene-5-one			ISOPHORONE		
3,3,5-		-2-		17	
3,5,5-Trimethylcyclohex-2-enone			ISOPHORONE		
3,5,5-	-2-	-1-		17	
3,5,5-Trimethylcyclohex-2-en-1-one			ISOPHORONE		
3,3'-		-1-		17	
3,3'-Trimethylenedioxydipropan-1-ol			TRIPROPYLENE GLYCOL		
				17	
TRIMETHYLOL PROPANE					
PROPOXYLATED					
2,2,4-				17	1262
2,2,4-Trimethylpentane			OCTANE (ALL ISOMERS)		
	2,2,4-	-1,3-		17	
2,2,4-TRIMETHYL-1,3-PENTANE					
DIOL					
DIISOBUTYRATE					
	2,2,4-	-1,3-	2,2,4-	-1,3-	17
			2,2,4-TRIMETHYL-1,3-PENTANEDIOL		
2,2,4-Trimethylpentane-1,3-diol diisobutyrate			DIISOBUTYRATE		
	2,2,4-	-1,3-		17	
-1-					
2,2,4-TRIMETHYL-1,3-PENTANE					
DIOL-1-					
ISOBUTYRATE					
2,4,4-		-1		17	2050
2,4,4-Trimethylpentene-1			DIISOBUTYLENE		
2,4,4-		-1-		17	2050
2,4,4-Trimethylpent-1-ene			DIISOBUTYLENE		
2,4,4-		-2		17	2050
2,4,4-Trimethylpentene-2			DIISOBUTYLENE		
2,4,4-		-2-		17	2050
2,4,4-Trimethylpent-2-ene			DIISOBUTYLENE		
2,4,6-		-1,3,5-		17	1264
2,4,6-Trimethyl-1,3,5-trioxane			PARALDEHYDE		

2,4,6-	- -		17	1264
2,4,6-Trimethyl-s-trioxane		PARALDEHYDE		
		1,3,5-	17	
Trioxan		1,3,5-TRIOXANE		
1,3,5-			17	
1,3,5-TRIOXANE				
5,8,11-			17	
5,8,11-Trioxapentadecane		DIETHYLENE GLYCOL DIBUTYL ETHER		
3 6 9-			17	
3,6,9-Trioxaundecane		DIETHYLENE GLYCOL DIETHYL ETHER		
		1,3,5-	17	
Trioxin		1,3,5-TRIOXANE		
		1,3,5-	17	
Trioxymethylene		1,3,5-TRIOXANE		
			17	2057
Tripropylene		PROPYLENE TRIMER		
			17	
TRIPROPYLENE GLYCOL				
		(2-8) (C1-C6)	17	
Tripropylene glycol methyl ether		POLY(2-8)ALKYLENE GLYCOL		
		MONOALKYL(C1-C6) ETHER		
()			17	
Tris(dimethylphenyl) phosphate		TRIXYLYL PHOSPHATE		
N,N,N- (2-)			17	
N,N,N-Tris(2-hydroxyethyl)amine		TRIETHANOLAMINE		
2,4-D- (2— -2-)		2,4- ,	17	
2,4-D-tris(2-hydroxy-2-methylethyl)ammonium		2,4-DICHLOROPHENOXYACETIC ACID,		
		TRISOPROPANOLAMINE SALT		
		SOLUTION		
(2-)			17	
Tris(2-hydroxypropyl)amine		TRISOPROPANOLAMINE		
(2- -1-)			17	
Tris(2-hydroxy-1-propyl)amine		TRISOPROPANOLAMINE		
(2— -2-) 2,4-		2,4- ,	17	
		2,4-DICHLOROPHENOXYACETIC ACID,		
Tris(2-hydroxypropyl)ammonium		TRISOPROPANOLAMINE SALT		
2,4-		SOLUTION		
dichlorophenoxyacetate				
2-[(2-)]		N-()	17	
		N-(HYDROXYETHYL)ETHYLENEDIAMINETRI		
Trisodium 2-[carboxylatomethyl(2-		ACETIC ACID,		

hydroxyethyl)amino]ethyliminodi(acetate)	TRISODIUM SALT SOLUTION		
N-(2-hydroxyethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycine	N-(2-hydroxyethyl)-N,N'-ethylenediglycine	17	
Trisodium N-(carboxymethyl)-N'-(2-hydroxyethyl)-N,N'-ethylenediglycine	ACETIC ACID, TRISODIUM SALT SOLUTION		
N-(2-hydroxyethyl)-N,N'-ethylenediglycine	N-(2-hydroxyethyl)-N,N'-ethylenediglycine	17	
Trisodium N-(2-hydroxyethyl)ethylenediamine-N,N',N'-triacetate	ETHYLENEDIAMINETRIACETIC ACID, TRISODIUM SALT SOLUTION		
Trisodium nitriлотriacetate solution	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION		
Trisodium nitriлотriacetate solution, 1%	NITRILOTRIACETIC ACID, TRISODIUM SALT SOLUTION, 1%	17	2574
Tritolyl phosphate, containing 1% or more orth isomer	TRICRESYL PHOSPHATE (CONTAINING 1% OR MORE ORTHO-ISOMER)		
Trixylyl phosphate	TRIXYLYL PHOSPHATE	17	
TRIXYLYL PHOSPHATE		17	
TUNG OIL		17	1299
TURPENTINE		17	1299
Turpentine oil	TURPENTINE	17	1299
Turps	TURPENTINE		
A		17	
Type A Zeolite	SODIUM ALUMINOSILICATE SLURRY		
()	10	17	
Undecane	N-ALKANES (C10+)		
1-Undecanecarboxylic acid	LAURIC ACID	17	
UNDECANOIC ACID		17	
-1-		17	
Undecan-1-ol	UNDECYL ALCOHOL		
1-UNDECENE			
-1-	1-	17	

Undec-1-ene	1-UNDECENE	17	
UNDECYL ALCOHOL			
	9	17	
Undecylbenzene	ALKYL(C9+)BENZENES	17	
Undecylic acid	UNDECANOIC ACID	17	
-		17	
n-Undecylic acid	UNDECANOIC ACID	17	
-		17	
uns-Trimethylbenzene	TRIMETHYLBENZENE (ALL ISOMERS)	17	
,	/ ()	17	
Urea, ammonia liquor	UREA/AMMONIUM NITRATE SOLUTION (CONTAINING AQUA AMMONIA)	17	
,	/ ()	17	
Urea, ammonium carbamate solutions	UREA/AMMONIUM NITRATE SOLUTION (CONTAINING AQUA AMMONIA)	17	
/		17	
UREA/AMMONIUM NITRATE SOLUTION		17	
/		17	
UREA/AMMONIUM NITRATE SOLUTION (CONTAINING LESS THAN 1% FREE AMMONIA)		17	
/		17	
UREA/AMMONIUM PHOSPHATE SOLUTION		17	
UREA SOLUTION		17	2058
Valeral	VALERALDEHYDE (ALL ISOMERS)	17	2058
VALERALDEHYDE (ALL ISOMERS)		17	2058
-		17	2058
n-Valeraldehyde	VALERALDEHYDE (ALL ISOMERS)	17	
Valerianic acid	PENTANOIC ACID	17	
Valeric acid	PENTANOIC ACID	17	
-		17	
n-Valeric acid	PENTANOIC ACID	17	

		17	2058
Valeric aldehyde	VALERALDEHYDE (ALL ISOMERS)		
		17	
Valerone	DIISOBUTYL KETONE		
	, (15-20%)	17	1300
Varnoline	WHITE SPIRIT, LOW (15-20%) AROMATIC		
(M)		17	
VEGETABLE ACID OILS (M)			
(M)		17	
VEGETABLE FATTY ACID			
DISTILLATES (M)			
()		18	
VEGETABLE PROTEIN			
SOLUTION(HYDROLYSED)			
		17	
Vinegar acid	ACETIC ACID		
		17	
Vinegar naphtha	ETHYL ACETATE		
		17	1301
VINYL ACETATE			
		17	2055
Vinylbenzene	STYRENE MONOMER		
		17	1098
Vinylcarbinol	ALLYL ALCOHOL		
		17	1093
Vinyl cyanide	ACRYLONITRILE		
		17	1301
vinyl ethanoate	VINYL ACETATE		
		17	1302
VINYL ETHYL ETHER			
		17	2218
Vinylformic acid	ACRYLIC ACID		
		17	1303
VINYLDENE CHLORIDE			
		17	
VINYL NEODECANOATE			
		17	2618
VINYLTOLUENE			
	1,1,2-	17	
Vinyl trichloride	1,1,2-TRICHLOROETHANE		
		17	1831
Vitriol brown oil	OLEUM		

		18	
WATER			
		17	
Water glass	SODIUM SILICATE SOLUTION		
		17	
WAXES			
		18	
White bole	KAOLIN SLURRY		
		17	1824
White caustic	SODIUM HYDROXIDE SOLUTION		
, (15-20%)		17	1300
WHITE SPIRIT, LOW (15-20%)			
AROMATIC			
		17	2304
White tar	NAPHTHALENE (MOLTEN)		
	, N.O.S.	18	
Wine	ALCOHOLIC BEVERAGES, N.O.S.		
		17	
Wintergreen oil	METHYL SALICYLATE		
		17	
Wood alcohol	METHYL ALCOHOL		
		17	
Wood naphtha	METHYL ALCOHOL		
		17	
Wood spirit	METHYL ALCOHOL		
		17	1307
XYLENES			
/ (10%)		17	
XYLENES/ETHYLBENZENE			
(10% OR MORE)			
		17	2261
XYLENOL			
2,3-		17	2261
2,3-Xylenol	XYLENOL		
2,4-		17	2261
2,4-Xylenol	XYLENOL		
2,5-		17	2261
2,5-Xylenol	XYLENOL		
2,6-		17	2261
2,6-Xylenol	XYLENOL		
3,4		17	2261

3,4-Xylenol	XYLENOL		
3,5-		17	2261
3,5-Xylenol	XYLENOL		
		17	1307
Xylols	XYLENES		
		17	
7 -16			
ZINC ALKARYL			
DITHIOPHOSPHATE (C7-C16)			
		17	
ZINC ALKENYL			
CARBOXAMIDE			
3 -14			
		17	
ZINC ALKYL			
DITHIOPHOSPHATE (C3-C14)			
		17	
Zinc bromide drilling brine	DRILLING BRINES (CONTAINING ZINC SALTS)		
		17	
Z- -9-			
z-Octadec-9-enamine	OLEYLAMINE		
(Z)- -9			
(Z)-Octadec-9-enoic acid	OLEIC ACID		
Z- -9			
Z-Octadec-9-enoic acid	OLEIC ACID		
Z- -9-			
z-Octadec-9-enylamine	OLEYLAMINE		
z-1,3-	1,3-		
z-1,3-Pentadiene	1,3-PENTADIENE		
		17	

20.1

20.1.1

20.1.2

20.2

20.2.1

20.2.2

20.3

20.3.1

20.3.2

.1 MARPOL73/78

.2

20.4

20.4.1

.1

.2

20.5

20.5.1 16.2

20.6

20.6.1

X

20.7

20.7.1 17

.1 1

.2

21 IBC

21.1

- 21.1.1 IBC MEPC.2/
1 3 4
- 21.1.2 GHS
- 21.1.3

21.2

- 21.2.1
 - .1 IBC 17
 - .2 IBC 17
 - .3 IBC 15 IBC 17 o
 - .4 IBC 16 IBC 17 o
 - .5

21.3 IBC 17

- 21.3.1 IBC 17
 - .1 LC₅₀ 20 mg/l/4hr 21.7.1.1
 - .2 LD₅₀ 2000 mg/kg 21.7.1.2
 - .3 LD₅₀ 2000 mg/kg 21.7.1.3
 - .4 21.7.2
 - .5 21.7.3
 - .6 21.7.4
 - .7 21.7.5
 - .8 WRI ≥1 21.7.6
 - .9 21.7.10
 - .10 <23 / ≥20%
 - .11 ≤200
 - .12 X Y 21.4.5.1 11 13

21.4

IBC

17

21.4.1 a -

21.4.1.1 IUPAC

21.4.2 b -

21.4.3 c -

21.4.3.1 c 73/78 II

21.4.4 d -

21.4.4.1 d 21.3.1.1 21.3.1.11 " S"

21.4.4.2 21.4.5 1 14 1 3 d " P"

21.4.5 e -

21.4.5.1 GESAMP

MARPOL II 1

21.4.5.2

	A1	A2	B1	B2	D3	E2	
1			≥5_				1
2	≥4	NR	4		CMRTNI		
3	≥4	NR			CMRTNI		2
4			4				
5	≥4		3				
6		NR	3				
7				≥1			
8						Fp	
9					CMRTNI	F	
10						S	3
11	≥4						
12		NR					
13			≥1				3
14	Y						
15	Z " " OS						

21.4.5.2

1

LC₅₀ ≤ 0.5 mg/l/4h; /

LD₅₀ ≤ 50 mg/kg; /

LD₅₀ ≤ 5 mg/kg; /

≤ 65 /

≥ 50% < 23 /

21.4.5.1 1 2

2

LC₅₀ > 0.5 mg/l/4h ≤ 2mg/l/4h /

LD₅₀ > 50 mg/kg ≤ 1000 mg/kg /

LD₅₀ > 5 mg/kg ≤ 300 mg/kg /

WRI=2

≤ 200 /

≥ 40% < 23 /

21.4.5.1 3 10

3

IBC 17

1 2 21.4.5.1 15

21.4.6 f -

21.4.6.1

1G

LC₅₀ ≤ 0.5 mg/l/4h; /

LD₅₀ ≤ 50 mg/kg; /

≤ 65°C; /

≥ 40% < 23 °C; /

WRI=2

2G

IBC

17

1G

21.4.7 g -

21.4.7.1

LC₅₀ ≤ 10 mg/l/4h; /

/

/

/

$\leq 60^{\circ}\text{C}$

$\leq 4\text{h}$

IBC 17

21.4.8 h -

21.4.8.1

≤ 200 /

/

$\geq 40\%$ <23

WRI ≥ 1

No: (SOLAS)

21.4.9 i -

21.4.9.1 $\leq 60^{\circ}\text{C}$ 15°C

i' i'' " —"

.1 i' -

- T1 $\geq 450^{\circ}\text{C}$
- T2 $\geq 300^{\circ}\text{C}$ < 450 $^{\circ}\text{C}$
- T3 $\geq 200^{\circ}\text{C}$ < 300 $^{\circ}\text{C}$
- T4 $\geq 135^{\circ}\text{C}$ < 200 $^{\circ}\text{C}$
- T5 $\geq 100^{\circ}\text{C}$ < 135 $^{\circ}\text{C}$
- T6 $\geq 85^{\circ}\text{C}$ < 100 $^{\circ}\text{C}$

.2 i'' -

	20 $^{\circ}\text{C}$ MESH	MIC
		/
IIA	≥ 0.9	> 0.8
IIB	> 0.5 < 0.9	≥ 0.45 ≤ 0.8
IIC	≤ 0.5	< 0.45

.2.1 IEC60079-1-1:2002 IEC 79-3

21.4.12 *l* -

21.4.12.1

> 10% >100000mg/l

A

< 10% <100000 mg/l

A

/

B

WRI = 0

C

WRI = 0

A / B

WRI ≥ 1

D

No

21.4.13 *m* -

21.4.14 *n* -

21.4.14.1

n

" Yes"

LC₅₀ ≤ 2 mg/l/4h /

/

≤3min /

WRI = 2

No:

21.5 *o* **15**

21.5.1 *o*

21.5.2 15 16

21.5.3 **15.2** **15.10** **15.20**

21.5.3.1 15.2 15.10 15.20

21.5.4 **15.11** -

21.5.4.1 15.11

.1 - 15.11.2 15.11.4 15.11.6 15.11.8 ,

.2 - 15.11.5

21.5.5 15.12 –

21.5.5.1 *o* 15.12

$LC_{50} \leq 2 \text{ mg/l/4h}$ /
/

21.5.5.2 *o* 15.12.3

$LC_{50} > 2 \text{ mg/l/4h}$ $\leq 10 \text{ mg/l/4h}$ /
 $LD_{50} \leq 1000 \text{ mg/kg}$ /
 $LD_{50} \leq 300 \text{ mg/kg}$

21.5.5.3 *o* 15.12.4

$LC_{50} > 2 \text{ mg/l/4h}$ $\leq 10 \text{ mg/l/4h}$

21.5.6 15.13 –

21.5.6.1 15.13 *o*

21.5.7 15.14 – 37.8°C

21.5.7.1 15.14 *o*

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

21.5.8 15.16 –

21.5.8.1 15.16.1

21.5.8.2 15.16.2 *o*

$WRI \geq 1$

21.5.9 15.17 –

21.5.9.1 15.17 *o*

$LC_{50} > 0.5 \text{ mg/l/4h}$ $\leq 2 \text{ mg/l/4h}$ /
/
/

$\leq 1\text{h}$

21.5.10 15.18 –

21.5.10.1 15.18 o

$LC_{50} \leq 0.5 \text{ mg/l/4h}$

21.5.11 15.19 –

21.5.11.1 15.19 o

$LC_{50} \leq 2 \text{ mg/l/4h}$ /

$LD_{50} \leq 1000 \text{ mg/kg}$ /

$LD_{50} \leq 300 \text{ mg/kg}$ /

/

$\leq 3 \text{ min}$ /

$\leq 200^\circ\text{C}$; /

$\geq 40\%$ <23 °C; /

1

21.5.11.2 15.19.6

$LC_{50} > 2 \text{ mg/l/4h}$ $\leq 10 \text{ mg/l/4h}$ /

$LD_{50} > 1000 \text{ mg/kg}$ $\leq 1000 \text{ mg/kg}$ /

$LD_{50} > 300 \text{ mg/kg}$ $\leq 2000 \text{ mg/kg}$ /

/

$> 3 \text{ min}$ $\leq 1 \text{ h}$ /

$\leq 60^\circ\text{C}$; /

2 /

X Y

21.5.12 15.21

21.5.12.1 15.21 o

21.6 o 16

21.6.1 16.1 16.2.5 16.3 16.5

21.6.1.1 o

21.6.2 16.2.6

21.6.2.1 16.2.6 o

X Y 20 °C $\geq 50 \text{ mPa.s}$ 20 °C

21.6.3 16.2.9

21.6.3.1 16.2.9 o

≥ 0 °C

21.6.4 16.6 —

21.6.4.1 16.2.2 16.6.4 o

21.7

21.7.1

21.7.1.1

LC ₅₀	
	mg/l/4 h
	≤ 0.5
	> 0.5 ≤ 2
	> 2 ≤ 10
	> 10 ≤ 20
	> 20

21.7.1.2

LD ₅₀	
	mg/kg
	≤ 50
	> 50 ≤ 200
	> 200 ≤ 1000
	> 1000 ≤ 2000
	> 2000

21.7.1.3

LD ₅₀	
	mg/kg
	≤ 5
	> 5 ≤ 50
	> 50 ≤ 300
	> 300 ≤ 2000
	> 2000

21.7.2

21.7.7.1

21.7.8 - $\leq 60^{\circ}\text{C}$ 15 $^{\circ}\text{C}$

21.7.8.1 IEC

21.7.8.2

21.4.9.1.1

21.7.9 - $\leq 60^{\circ}\text{C}$

21.7.9.1 IEC

I IMO

II - MESG / /

MIC IIA IIB IIC

21.7.9.2

21.7.10

21.7.10.1

.1

.2

.3 /

.4

.5

21.7.11

21.7.11.1

IBC	
	< 23
	≥ 23 ≤ 60

21.7.11.2

21.7.11.3

≤60°C

SOLAS