

RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

Part S

Ships Carrying Dangerous Chemicals in Bulk

Rules for the Survey and Construction of Steel Ships

Part S 2008 AMENDMENT NO.1

Rule No.60 5th September 2008

Resolved by Technical Committee on 25th June 2008

Approved by Board of Directors on 22nd July 2008

ClassNK
NIPPON KAIJI KYOKAI

Rule No.60 5th September 2008

AMENDMENT TO THE RULES FOR THE SURVEY AND CONSTRUCTION OF STEEL SHIPS

“Rules for the survey and construction of steel ships” has been partly amended as follows:

Part S SHIPS CARRYING DANGEROUS CHEMICALS IN BULK

**Chapter 17 SUMMARY OF MINIMUM REQUIREMENTS
(with reference to *IBC Code* Chapter 17)**

17.1 General

17.1.1 Application

Table S17.1 has been amended as follows.

Table S17.1 Summary of Minimum Requirements

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
Product Name	Pollution Category	Hazards	Ship Type	Tank Type	Tank Vents	Tank Environmental Control	Electrical Equipment			Gauging	Vapour	Fire Extinguishing	Respiratory and Eye Protection	Special Requirements
							Class	Group	Flashpoint >60 °C					
Acetic acid	Z X	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, 16.2.3-9. (16.2.9)
Acetic anhydride	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
<u>Acetochlor</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
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 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
Acetonitrile	Z	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.12, 15.19.6
<u>Acetonitrile (Low purity grade)</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T1</u>	<u>IIA</u>	<u>No</u>	<u>R</u>	<u>F-T</u>	<u>AC</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6</u>
<u>Acid oil mixture from soyabean, corn (maize) and sunflower oil refining</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	=	=	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Acrylamide solution (50% or less)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>C</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.12.3, 15.13, 15.19.6, 16.2.3-9. (16.2.9), 16.2.7-1. (16.6.1)</u>
Acrylic acid	Y	S/P	2	2G	Cont	No	T2	IIA	No	R C	F-T	A	No 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 & 15.22.12 (15.19), 15.19.6, 15.19.6 , 16.2.3-9. (16.2.9), 16.2.7-1. (16.6.1)
Acrylonitrile	Y	S/P	2	2G	Cont	No	T1	IIB	No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19 & 15.22.12 (15.19)
Acrylonitrile-Styrene copolymer dispersion in polyether polyol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Adiponitrile	<i>Z</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>No</i>		IIB	<i>Yes</i>	<i>R</i>	<i>T</i>	<i>A</i>	<i>No</i>	16.2.3-9. (16.2.9)
Alachlor technical (90% or more)	<i>X</i>	<i>S/P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AC</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Alcohol (C9-C11) poly (2.5-9) ethoxylate	<i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Alcohol (C6-C17) (secondary) poly(3-6)ethoxylates	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Alcohol (C6-C17) (secondary) poly(7-12)ethoxylates	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Alcohol (C12-C16) poly(1-6)ethoxylates	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Alcohol (C12-C16) poly(20+)ethoxylates	<i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6</u> , 16.2.3-9. (16.2.9)
Alcohol (C12-C16) poly(7-19)ethoxylates	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Alcohols (C13+)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
<u>Alcohols (C8-C11), primary, linear and essentially linear</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u>2</u>	<u>2G</u>	<u><i>Cont</i></u>	<u><i>No</i></u>	<u>:</u>	<u>:</u>	<u><i>Yes</i></u>	<u><i>R</i></u>	<u><i>T</i></u>	<u><i>AB</i></u> <u><i>C</i></u>	<u><i>No</i></u>	<u>15.12.3, 15.12.4, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Alcohols (C12-C13), primary, linear and essentially linear</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u>2</u>	<u>2G</u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u>:</u>	<u>:</u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>AB</i></u> <u><i>C</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Alcohols (C14-C18), primary, linear and essentially linear</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u>2</u>	<u>2G</u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u>:</u>	<u>:</u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>AB</i></u> <u><i>C</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Alkanes (C6-C9)	<i>X</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6
Iso-and cyclo-alkanes (C10-C11)	<u><i>Z</i> <u><i>Y</i></u></u>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>	<u>:</u>	<u>:</u>	<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	<u>15.19.6</u>
Iso-and cyclo-alkanes (C12+)	<u><i>Z</i> <u><i>Y</i></u></u>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>	<u>:</u>	<u>:</u>	<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	
n-Alkanes (C10+)	<u><i>Z</i> <u><i>Y</i></u></u>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>	<u>:</u>	<u>:</u>	<i>No</i>	<i>R</i>	<i>F</i>	<i>AB</i>	<i>No</i>	<u>15.19.6</u>
<u>Alkaryl polyethers (C9-C20)</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u>2</u>	<u>2G</u>	<u><i>Open</i></u>	<u><i>No</i></u>			<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>AB</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Alkenyl (C11+) amide</u>	<u><i>X</i></u>	<u><i>P</i></u>	<u>2</u>	<u>2G</u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u>:</u>	<u>:</u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Alkenyl (C16-C20) succinic anhydride	<i>Z</i>	<i>S/P</i>	<i>3</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>			<i>Yes</i>	<i>C</i>	<i>T</i>	<i>No</i>	<i>Yes</i>	15.12, 15.17, 15.19 & 15.22.12 (15.19)
<u>Alkyl acrylate-vinylpyridine copolymer in toluene</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Cont</i></u>	<u><i>No</i></u>			<u><i>No</i></u>	<u><i>R</i></u>	<u><i>F</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Alkylaryl phosphate mixtures (more than 40% Diphenyl tolyl phosphate, less than 0.02% ortho-isomers)	<i>X</i>	<i>S/P</i>	<i>1</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>	<i>T1</i>	<i>IIA</i>	<i>Yes</i>	<i>C</i>	<i>T</i>	<i>AB C</i>	<i>No</i>	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Alkylated (C4-C9) hindered phenols	<i>Y</i>	<i>S/P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>	-	-	<i>Yes</i>	<i>O</i>	<i>No</i>	<i>BD</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Alkylbenzene, alkylindane, alkylindene mixture (each C12-C17)	<i>Z</i>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6
<u>Alkyl benzene distillation bottoms</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>:-</i></u>	<u><i>:-</i></u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>AB C</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Alkylbenzene mixtures (containing at least 50% of toluene)</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u><i>3</i></u>	<u><i>2G</i></u>	<u><i>Cont</i></u>	<u><i>No</i></u>	<u><i>T1</i></u>	<u><i>IIA</i></u>	<u><i>No</i></u>	<u><i>C</i></u>	<u><i>F-T</i></u>	<u><i>AB C</i></u>	<u><i>No</i></u>	<u>15.12, 15.17, 15.19.6</u>
<u>Alkyl (C3-C4) benzenes</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Cont</i></u>	<u><i>No</i></u>			<u><i>No</i></u>	<u><i>R</i></u>	<u><i>F</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6</u>
Alkyl (C5-C8) benzenes	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6
Alkyl(C9+)benzenes	<i>Y</i> <u><i>Y</i></u>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Open</i>	<i>No</i>	<u><i>:-</i></u>	<u><i>:-</i></u>	<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	
<u>Alkyl (C11-C17) benzene sulphonic acid</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>:-</i></u>	<u><i>:-</i></u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Alkylbenzene sulphonic acid, sodium salt solution</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>:-</i></u>	<u><i>:-</i></u>	<u><i>NF</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>No</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Alkyl (C12+) dimethylamine	<i>X</i>	<i>S/P</i>	<i>1</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>	-	-	<i>Yes</i>	<i>C</i>	<i>T</i>	<i>BC D</i>	<i>Yes</i>	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Alkyl dithiocarbamate (C19-C35)	<i>Y</i>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Alkyldithiothiadiazole (C6-C24)	<i>Y</i> <u><i>Y</i></u>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Open</i>	<i>No</i>	<u><i>:-</i></u>	<u><i>:-</i></u>	<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Alkyl ester copolymer (C4-C20)	<i>Y</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Alkyl (C8-C10)/(C12-C14):(40% or less/60% or more) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Alkyl (C8-C10)/(C12-C14):(60% or more/40% or less) polyglucoside solution(55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Alkyl (C7-C9) nitrates</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6, 15.20, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)</u>
<u>Alkyl (C7-C11) phenol poly (4-12) ethoxylate</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Alkyl (C8-C40) phenol sulphide	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Alkyl (C8-C9) phenylamine in aromatic solvents	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Alkyl (C9-C15) phenyl propoxylate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Alkyl (C8-C10) polyglucoside solution (65% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.3-6. (16.2.6)
Alkyl (C8-C10)/(C12-C14):(50%/50%) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Alkyl (C12-C14) polyglucoside solution (55% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)
Alkyl(C10-C20, saturated and unsaturated) phosphite	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.3-9. (16.2.9)
Alkyl sulphonic acid ester of phenol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
Allyl alcohol	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F-T	A	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Allyl chloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Aluminium sulphate solution	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
<u>2-(2-Aminoethoxy) ethanol</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AD</u>	<u>No</u>	<u>15.19.6</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Aminoethyldiethanolamine/ Aminoethylethanolamine solution</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Aminoethyl ethanolamine	Z	S/P	3	2G	Open	No	T2	IIA	Yes	O	No	A	No	
<u>N-Aminoethylpiperazine</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
2-Amino-2-methyl-1-propanol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ammonia aqueous (28% or less)	Y	S/P	2	2G	Cont	No			NF	R	T	AB C	Yes	<u>15.19.6</u>
Ammonium hydrogen phosphate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
<u>Ammonium lignosulphonate solutions</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Ammonium nitrate solution (93% or less)	Z	S/P	2	1G	Open	No			NF	O	No	No	No	15.2 & 15.22.2 (15.2), 15.11.4, 15.11.6, 15.18, 15.19.6, 16.2.3-9. (16.2.9)
Ammonium polyphosphate solution	Z	P	3	2G	Open	No	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
Ammonium sulphate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ammonium sulphide solution (45% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
<u>Ammonium thiosulphate solution (60% or less)</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Amyl acetate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
n-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Amyl alcohol, primary	Z	P	3	2G	Cont	No			No	R	F	AB	No	
sec-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
tert-Amyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
tert-Amyl methyl ether	X	P	2	2G	Cont	No	T3		No	R	F	A	No	15.19.6
Aniline	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.17, 15.19 & 15.22.12 (15.19)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Aryl polyolefins (C11-C50)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Aviation alkylates (C8 paraffins and iso-paraffins BPT 95 - 120°C)	X	P	2	2G	Cont	No			No	R	F	B	No	15.19.6
Barium long chain (C11-C50) alkaryl sulphionate	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.12.3, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Benzene and mixtures having 10% benzene or more (i)	Y	S/P	3	2G	Cont	No	T1	IIA	No	C	F-T	AB	No	15.12.1, 15.17, 15.19.6, 16.2.3-9. (16.2.9)
<u>Benzen sulphonyl chloride</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AD</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Benzenetricarboxylic acid, trioctyl ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
Benzyl acetate	Y	P	2	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
Benzyl alcohol	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
<u>Benzyl chloride</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T1</u>	<u>IIA</u>	<u>Yes</u>	<u>C</u>	<u>T</u>	<u>AB</u>	<u>Yes</u>	<u>15.12, 15.13, 15.17, 15.19 & 15.22.12(15.19)</u>
<u>Brake fluid base mix: Poly (2-8) alkylene (C2-C3) glycols/Polyalkylene (C2-C10) glycols monoalkyl (C1-C4) ethers and their borate esters</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:</u>	<u>:</u>	<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>A</u>	<u>No</u>	
Bromochloromethane	Z	S/P	3	2G	Cont	No			NF	R	T	No	No	
<u>Butene oligomer</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Butyl acetate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl acrylate (all isomers)	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
tert-Butyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Butylamine (all isomers)	Y	S/P	2	2G	Cont	No			No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
Butylbenzene (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl benzyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Butyl butyrate (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Butyl/Decyl/Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Cont	No			Yes	R	No	AD	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Butylene glycol	<i>Z</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	
1,2-Butylene oxide	<i>Y</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>Inert</i>	<i>T2</i>	<i>IIB</i>	<i>No</i>	<i>R</i>	<i>F</i>	<i>AC</i>	<i>No</i>	15.8.1~15.8.7 & 15.22.8-1.~15.22.8-5. (15.8.1~15.8.7), 15.8.12, 15.8.13, 15.8.17 (15.8.16), 15.8.19(15.8.17), 15.8.20 &15.22.8-8. (15.8.18), 15.8.21 & 15.22.8-9 (15.8.19), 15.8.23 (15.8.21), 15.8.31~15.8.33& 15.22.8-12.~15.22.8-14. (15.8.25), 15.8.35(15.8.27) 15.8.37&15.22.8-16 (15.8.29), 15.19.6
n-Butyl ether	<i>Y</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>Inert</i>	<i>T4</i>	<i>IIB</i>	<i>No</i>	<i>R</i>	<i>F-T</i>	<i>A</i>	<i>No</i>	15.4.6, 15.12, 15.19.6
Butyl methacrylate	<i>Z</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>No</i>		<i>IIA</i>	<i>No</i>	<i>R</i>	<i>F-T</i>	<i>AD</i>	<i>No</i>	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
n-Butyl propionate	<i>Y</i>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6
Butyraldehyde (all isomers)	<i>Y</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>No</i>	<i>T3</i>	<i>IIA</i>	<i>No</i>	<i>R</i>	<i>F-T</i>	<i>A</i>	<i>No</i>	15.19.6
Butyric acid	<i>Y</i>	<i>S/P</i>	3	2G	<i>Cont</i>	<i>No</i>			<i>Yes</i>	<i>R</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
gamma-Butyrolactone	<i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6
Calcium carbonate slurry	<i>Z</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	
<u>Calcium hydroxide slurry</u>	<u><i>Z</i></u>	<u><i>P</i></u>	<u>3</u>	<u>2G</u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>+</i></u>	<u><i>+</i></u>	<u><i>Yes</i></u>	<u><i>Q</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>16.2.3-9. (16.2.9)</u>
Calcium hypochlorite solution (15% or less)	<i>Y</i>	<i>S/P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>NF</i>	<i>R</i>	<i>No</i>	<i>No</i>	<i>No</i>	15.19.6
Calcium hypochlorite solution (more than 15%)	<i>X</i>	<i>S/P</i>	1	2G	<i>Cont</i>	<i>No</i>			<i>NF</i>	<i>R</i>	<i>No</i>	<i>No</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Calcium lignosulphonate solutions</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
<u>Calcium long-chain alkaryl sulphonate (C11-C50)</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Calcium long-chain alkyl(C5-C10) phenate	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
Calcium long-chain alkyl(C11-C40) phenate	<u>Z</u> <u>Y</u>	P	<u>3</u> <u>2</u>	2G	Open	No	<u>-</u>	<u>-</u>	Yes	O	No	A	No	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Calcium long-chain alkyl phenate sulphide (C8-C40)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Calcium long-chain alkyl salicylate (C13+)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Calcium nitrate/Magnesium nitrate/ Potassium chloride solution</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
epsilon-Caprolactam (molten or aqueous solutions)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
<u>Carbolic oil</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>C</u>	<u>F-T</u>	<u>A</u>	<u>No</u>	<u>15.12, 15.19.6, 16.2.3-9. (16.2.9)</u>
Carbon disulphide	Y	S/P	2	1G	Cont	Pad+inert	T6	IIC	No	C	F-T	C	Yes	15.3 & 15.22.3 (15.3), 15.12, 15.19 & 15.22.12 (15.19)
Carbon tetrachloride	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.17, 15.19.6
<u>Cashew nut shell oil (untreated)</u>	<u>Y</u>	<u>S</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Castor oil (containing less than 2% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>CD</u>	No	15.19.6, 16.2.3-6. (16.2.6), <u>16.2.9</u>
Cetyl/Eicosyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 15.19.6, 16.2.3-9. (16.2.9), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Chlorinated paraffins (C10-C13)	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Chlorinated paraffins (C14-C17)(with 50% chlorine or more, and less than 1% C13 or shorter chains)</u>	<u>X</u>	<u>P</u>	<u>1</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19</u>
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 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Chlorobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.19.6
Chloroform	Y	S/P	3	2G	Cont	No			NF	R	T	No	Yes	15.12, 15.19.6
Chlorohydrins (crude)	Y	S/P	2	2G	Cont	No		IIA	No	C	F-T	A	No	15.12, 15.19 & 15.22.12 (15.19)
4-Chloro-2-methylphenoxyacetic acid, dimethylamine salt solution	Y	P	2	2G	Open	No			NF	O	No	No	No	<u>15.19.6</u> , 16.2.3-9. (16.2.9)
<u>o-Chloronitrobenzene</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>C</u>	<u>T</u>	<u>AB</u> <u>D</u>	<u>No</u>	<u>15.12, 15.17, 15.18, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
1-(4-Chlorophenyl)-4,4-dimethyl-pentan-3-one	Y	P	2	2G	Open	No			Yes	O	No	AB D	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
2-or 3-Chloropropionic acid	Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 16.2.3-9. (16.2.9)
Chlorosulphonic acid	Y	S/P	1	2G	Cont	No			NF	C	T	No	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.5, 15.11.6, 15.11.7, 15.11.8, 15.12, 15.16.2 & 15.22.11 (15.16.2), 15.19 & 15.22.12 (15.19)
m-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
o-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
p-Chlorotoluene	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Chlorotoluenes (mixed isomers)	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.19.6
Choline chloride solutions	Z	P	3	2G	Open	No			Yes	O	No	A	No	

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
Product Name	Pollution Category	Hazards	Ship Type	Tank Type	Tank Vents	Tank Environmental Control	Electrical Equipment			Gauging	Vapour	Fire Extinguishing	Respiratory and Eye Protection	Special Requirements
							Class	Group	Flashpoint >60 °C					
Citric acid (70% or less)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
<u>Coal tar</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>Yes</u>	<u>R</u>	<u>No</u>	<u>BD</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Coal tar naphtha solvent</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T3</u>	<u>IIA</u>	<u>No</u>	<u>R</u>	<u>F-T</u>	<u>AD</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
<u>Coal tar pitch (molten)</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>1G</u>	<u>Cont</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>Yes</u>	<u>R</u>	<u>No</u>	<u>BD</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Cocoa butter</u>	<u>Y</u>	<u>S/P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Coconut oil (containing less than 5% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>CD</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Coconut oil fatty acid</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Coconut oil fatty acid methyl ester</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Copper salt of long chain (C17+) alkanolic acid</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Corn Oil (containing less than 10% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>CD</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Cotton seed oil (containing less than 12% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>CD</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Creosote (coal tar)</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AD</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Cresols (all isomers)	Y	S/P	2	2G	Open	No	T1	IIA	Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Cresylic acid, dephenolized	Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
<u>Cresylic acid, sodium salt solution</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Crotonaldehyde	Y	S/P	2	2G	Cont	No	T3	IIB	No	R	F-T	A	Yes	15.12, 15.17, 15.19.6
1,5,9-Cyclododecatriene	X	S/P	1	2G	Cont	No			Yes	R	T	A	No	15.13, 15.19 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Cycloheptane	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Cyclohexanol	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Cyclohexanone	Z	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
Cyclohexanone, Cyclohexanol mixture	Y	S/P	3	2G	Cont	No			Yes	R	F-T	A	No	<u>15.19.6</u>
Cyclohexyl acetate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclohexylamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AC	No	15.19.6
1,3-Cyclopentadiene dimer (molten)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Cyclopentane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Cyclopentene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
p-Cymene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Decahydronaphthalene	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
Decanoic acid	X	P	2	2G	Open	No			Yes	O	No	A	No	16.2.3-9. (16.2.9)
<u>Decene</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Decyl acrylate	X	S/P	1	2G	Open	No	T3	IIA	Yes	O	No	AC D	No	15.13, 15.19 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Decyl alcohol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9) (e)
<u>Decyloxytetrahydrothiophene dioxide</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Diacetone alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Dialkyl (C8-C9) diphenylamines	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Dialkyl (C7-C13) phthalates	X	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
Dibromomethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.3, 15.19 & 15.22.12 (15.19)
Dibutylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AC D	No	15.19.6
Dibutyl hydrogen phosphonate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
<u>2,6-Di-tert-butylphenol</u>	<u>X</u>	<u>P</u>	<u>1</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>AB</u> <u>CD</u>	<u>No</u>	<u>15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)</u>
Dibutyl phthalate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Dichlorobenzene (all isomers)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	T	AB D	No	15.19.6
3,4-Dichloro-1-butene	Y	S/P	2	2G	Cont	No			No	C	F-T	AB C	Yes	15.12.3, 15.17, 15.19.6
<u>1,1-Dichloroethane</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>No</u>	<u>R</u>	<u>F-T</u>	<u>A</u>	<u>Yes</u>	<u>15.19.6</u>
Dichloroethyl ether	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6
<u>1,6-Dichlorohexane</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>T</u>	<u>AB</u>	<u>No</u>	<u>15.19.6</u>
2,2-Dichloroisopropyl ether	Y	S/P	2	2G	Cont	No			Yes	R	T	AC D	No	15.12, 15.17, 15.19 & 15.22.12 (15.19)
<u>Dichloromethane</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T1</u>	<u>IIA</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>No</u>	<u>No</u>	<u>15.19.6</u>
2,4-Dichlorophenol	Y	S/P	2	2G	Cont	Dry			Yes	R	T	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
<u>2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
<u>2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
1,1-Dichloropropane	Y	S/P	2	2G	Cont	No			No	R	F-T	AB	No	15.12, 15.19.6
1,2-Dichloropropane	Y	S/P	2	2G	Cont	No	T1	IIA	No	R	F-T	AB	No	15.12, 15.19.6
1,3-Dichloropropene	X	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AB	Yes	15.12, 15.17, 15.18, 15.19 & 15.22.12 (15.19)
Dichloropropene/Dichloropropane mixtures	X	S/P	2	2G	Cont	No			No	C	F-T	AB D	Yes	15.12, 15.17, 15.18, 15.19 & 15.22.12 (15.19)
<u>2,2-Dichloropropionic acid</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>Dry</u>			<u>Yes</u>	<u>R</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.11.2, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.3-9. (16.2.9)</u>
Diethanolamine	Y	S/P	3	2G	Open	No	T1	IIA	Yes	O	No	A	No	16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Diethylamine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	A	Yes	15.12, 15.19.6
Diethylaminoethanol	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	No	15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>2,6-Diethylaniline</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>BC</u> <u>D</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Diethylbenzene	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Diethylene glycol dibutyl ether</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
<u>Diethylene glycol diethyl ether</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
<u>Diethylene glycol phthalate</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Diethylenetriamine	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Diethylenetriaminepentaacetic acid, pentasodium salt solution</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
Diethyl ether	<u>Z</u>	<u>S/P</u>	<u>2</u>	<u>1G</u>	<u>Cont</u>	<u>Inert</u>	<u>T4</u>	<u>IIB</u>	<u>No</u>	<u>C</u>	<u>F-T</u>	<u>A</u>	<u>Yes</u>	<u>15.4, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19)</u>
Di-(2-ethylhexyl) adipate	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6</u>
<u>Di-(2-ethylhexyl) phosphoric acid</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AD</u>	<u>No</u>	<u>15.19.6</u>
Diethyl phthalate	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Diethyl sulphate	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>C</u>	<u>T</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Diglycidyl ether of bisphenol A</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Diglycidyl ether of bisphenol F</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Diheptyl phthalate	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6</u>
Di-n-hexyl adipate	<u>X</u>	<u>P</u>	<u>1</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19 & 15.22.12 (15.19)</u>
Dihexyl phthalate	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6</u>
Diisobutylamine	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F-T</u>	<u>AC</u> <u>D</u>	<u>No</u>	<u>15.12.3, 15.19.6</u>
Diisobutylene	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Diisobutyl ketone	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Diisobutyl phthalate	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Diisononyl adipate</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Diisooctyl phthalate	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Diisopropanolamine	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>T2</u>	<u>IIA</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Diisopropylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	A	Yes	15.12, 15.19 & 15.22.12 (15.19)
Diisopropylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
<u>Diisopropylnaphthalene</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
N,N-Dimethylacetamide	Z	S/P	3	2G	Cont	No	-	-	Yes	C	T	AC D	No	15.12, 15.17
N,N-Dimethylacetamide solution (40% or less)	Z	S/P	3	2G	Cont	No			Yes	R	T	B	No	15.12.1, 15.17
Dimethyl adipate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
Dimethylamine solution (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AC D	No	15.12, 15.19.6
Dimethylamine solution (greater than 45% but not greater than 55%)	Y	S/P	2	2G	Cont	No			No	C	F-T	AC D	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Dimethylamine solution (greater than 55% but not greater than 65%)	Y	S/P	2	2G	Cont	No			No	C	F-T	AC D	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.17, 15.19 & 15.22.12 (15.19)
N,N-Dimethylcyclohexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.12, 15.17, 15.19.6
Dimethyl disulphide	Y	S/P	2	2G	Cont	No	T3	IIA	No	R	F-T	B	No	15.12.3, 15.12.4, 15.19.6
N,N-Dimethyldodecylamine	X	S/P	1	2G	Open	No			Yes	O	No	B	No	15.19 & 15.22.12 (15.19)
Dimethylethanolamine	Y	S/P	3	2G	Cont	No	T3	IIA	No	R	F-T	AD	No	15.19.6
Dimethylformamide	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.19.6
Dimethyl glutarate	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
Dimethyl hydrogen phosphite	Y	S/P	3	2G	Cont	No			Yes	R	T	AD	No	15.12.1, 15.19.6
Dimethyl octanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u> , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Dimethyl phthalate	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u> , 16.2.3-9. (16.2.9)
Dimethylpolysiloxane	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
2,2-Dimethylpropane-1,3-diol (molten or solution)	Z	P	3	2G	Open	No	-	-	Yes	O	No	AB	No	<u>16.2.3-9. (16.2.9)</u>
Dimethyl succinate	Y	P	3	2G	Open	No			Yes	O	No	A	No	16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Dinitrotoluene (molten)	<i>X</i>	<i>S/P</i>	<i>2</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>			<i>Yes</i>	<i>C</i>	<i>T</i>	<i>A</i>	<i>No</i>	15.12, 15.17, 15.19 & 15.22.12 (15.19), 15.21, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9), 16.2.7-4. (16.6.4)
<u>Dinonyl phthalate</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>=</i></u>	<u><i>=</i></u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6</u>
Diocetyl phthalate	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6
1,4-Dioxane	<i>Y</i>	<i>S/P</i>	<i>2</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>	<i>T2</i>	<i>IIB</i>	<i>No</i>	<i>C</i>	<i>F-T</i>	<i>A</i>	<i>No</i>	15.12, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Dipentene	<i>Y</i>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6
Diphenyl	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>B</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Diphenylamine (molten)</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>	<u><i>=</i></u>	<u><i>=</i></u>	<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>BD</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Diphenylamine, reaction product with 2,2,4-Trimethylpentene</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u><i>1</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>			<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)</u>
<u>Diphenylamines, alkylated</u>	<u><i>Y</i></u>	<u><i>P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Open</i></u>	<u><i>No</i></u>			<u><i>Yes</i></u>	<u><i>O</i></u>	<u><i>No</i></u>	<u><i>A</i></u>	<u><i>No</i></u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Diphenyl/Diphenyl ether mixtures	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>B</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Diphenyl ether	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
Diphenyl ether/Diphenyl phenyl ether mixture	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
<u>Diphenylmethane diisocyanate</u>	<u><i>Y</i></u>	<u><i>S/P</i></u>	<u><i>2</i></u>	<u><i>2G</i></u>	<u><i>Cont</i></u>	<u><i>Dry</i></u>	<u><i>=</i></u>	<u><i>=</i></u>	<u><i>Yes(a)</i></u>	<u><i>C</i></u>	<u><i>T(a)</i></u>	<u><i>AB</i></u> <u><i>C(b)</i></u> <u><i>D</i></u>	<u><i>No</i></u>	<u>15.12, 15.16.2 & 15.22.11 (15.16.2), 15.17, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Diphenylol propane-epichlorohydrin resins	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Di-n-propylamine	<i>Y</i>	<i>S/P</i>	<i>2</i>	<i>2G</i>	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F-T</i>	<i>A</i>	<i>No</i>	15.12.3, 15.19.6
Dipropylene glycol	<i>Z</i>	<i>P</i>	<i>3</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	
Dithiocarbamate ester (C7-C35)	<i>X</i>	<i>P</i>	<i>2</i>	<i>2G</i>	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AD</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Ditridecyl adipate</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Ditridecyl phthalate</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Diundecyl phthalate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Dodecane (all isomers)	Y	P	2	2G	Cont	No			No	R	F	AB	No	15.19.6
tert-Dodecanethiol	X	S/P	1	2G	Cont	No	-	-	Yes	C	T	AB D	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Dodecene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dodecyl alcohol	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Dodecylamine/Tetradecylamine mixture</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AD</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Dodecylbenzene	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
<u>Dodecyl diphenyl ether disulphonate solution</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NE</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Dodecyl hydroxypropyl sulphide	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Dodecyl methacrylate	Z	S/P	3	2G	Open	No			Yes	O	No	A	No	15.13
Dodecyl/Octadecyl methacrylate (mixture)	Z <u>Y</u>	S/P	3	2G	Open	No	<u>-</u>	<u>-</u>	Yes	R <u>O</u>	No	AD	No	15.13, 15.19.6, 16.2.3-6. (16.2.6), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Dodecyl/Pentadecyl methacrylate mixture	Y	S/P	2	2G	Open	No			Yes	O	No	AD	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Dodecyl phenol	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6)
Dodecyl Xylene	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
Drilling brines (containing zinc salts)	X	P	2	2G	Open	No			Yes	O	No	No	No	15.19.6
Drilling brines, including:calcium bromide solution, calcium chloride solution and sodium chloride solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Epichlorohydrin	Y	S/P	2	2G	Cont	No		IIB	No	C	F-T	A	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19) , 15.19.6
Ethanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	16.2.3-9. (16.2.9)
2-Ethoxyethyl acetate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Ethoxylated long chain (C16+) alkyloxyalkylamine	<u>Y</u>	<u>P</u> <u>S/P</u>	<u>3</u> <u>2</u>	2G	Open	No	-	-	Yes	O	No	AB	No	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Ethyl acetate	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Ethyl acetoacetate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Ethyl acrylate	Y	S/P	2	2G	Cont	No	T2	IIB	No	R	F-T	A	Yes	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Ethylamine	Y	S/P	2	1G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.19.6
Ethylamine solutions (72% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.17, 15.19 & 15.22.12 (15.19)
<u>Ethyl amyl ketone</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Ethylbenzene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Ethyl tert-butyl ether	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
<u>Ethyl butyrate</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Ethylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
N-Ethylcyclohexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.19.6
S-Ethyl dipropylthiocarbamate	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.3-9. (16.2.9)
Ethylene chlorohydrin	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	AD	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Ethylene cyanohydrin	Y	S/P	3	2G	Open	No		IIB	Yes	O	No	A	No	<u>15.19.6</u>
Ethylenediamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Ethylenediaminetetraacetic acid, tetrasodium salt solution</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Ethylene dibromide	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.12, 15.19.6, 16.2.3-9. (16.2.9)
Ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19 & 15.22.12 (15.19)
Ethylene glycol	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
<u>Ethylene glycol acetate</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Ethylene glycol butyl ether acetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
Ethylene glycol diacetate	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Ethylene glycol methyl ether acetate</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Ethylene glycol monoalkyl ethers	Y	S/P	3	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Ethylene glycol phenyl ether</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
<u>Ethylene glycol phenyl ether/Diethylene glycol phenyl ether mixture</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Ethylene oxide/Propylene oxide mixture with an ethylene oxide content of not more than 30% by mass	Y	S/P	2	1G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15.8 & 15.22.8 (15.8), 15.12, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19)
<u>Ethylene-vinyl acetate copolymer (emulsion)</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Ethyl-3-ethoxypropionate	Y	P	3	2G	Cont	No			No	R	No	A	No	15.19.6
2-Ethylhexanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
2-Ethylhexyl acrylate	Y	S/P	3	2G	Open	No	T3	IIB	Yes	O	No	A	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
2-Ethylhexylamine	Y	S/P	2	2G	Cont	No			No	R	F-T	A	No	15.12, 15.19.6
2-Ethyl-2-(hydroxymethyl) propane-1,3-diol, C8-C10 ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Ethylidene norbornene	Y	S/P	2	2G	Cont	No			No	R	F-T	AD	No	15.12.1, 15.19.6
Ethyl methacrylate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F-T	AD	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
N-Ethylmethylallylamine	Y	S/P	2	2G	Cont	No	T2	IIB	No	C	F	AC	Yes	15.12.3, 15.17, 15.19 & 15.22.12 (15.19)
<u>Ethyl propionate</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
2-Ethyl-3-propylacrolein	Y	S/P	3	2G	Cont	No		IIA	No	R	F-T	A	No	15.19.6, 16.2.3-9. (16.2.9)
Ethyl toluene	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Fatty acid (saturated C13+)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Fatty acid methyl esters (m)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	-	-	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Fatty acids, (C16+)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Fatty acids, C12+</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Fatty acids, C8-C10</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Fatty acids, essentially linear, (C6-C18), 2-ethylhexyl ester	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Ferric chloride solutions	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.11, 15.19.6, 16.2.3-9. (16.2.9)
Ferric nitrate/Nitric acid solution	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19 & 15.22.12 (15.19)
Fish oil (containing less than 4% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>C</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Fluorosilicic acid (20-30%) in water solution</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>1G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>NF</u>	<u>R</u>	<u>T</u>	<u>No</u>	<u>Yes</u>	<u>15.11, 15.19.6</u>
Formaldehyde solutions (45% or less)	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	Yes	15.19.6, 16.2.3-9. (16.2.9)
Formamide	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
Formic acid	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	T(g)	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.3-9. (16.2.9)
Furfural	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Furfuryl alcohol	Y	P	3	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
<u>Glucitol/glycerol blend propoxylated (containing less than 10% amines)</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6</u>
Glutaraldehyde solutions (50% or less)	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
<u>Glycerol monooleate</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Glycerol propoxylated</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>R</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
Product Name	Pollution Category	Hazards	Ship Type	Tank Type	Tank Vents	Tank Environmental Control	Electrical Equipment			Gauging	Vapour	Fire Extinguishing	Respiratory and Eye Protection	Special Requirements
							Class	Group	Flashpoint >60 °C					
<u>Glycerol, propoxylated and ethoxylated</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	
<u>Glycerol/sucrose blend propoxylated and ethoxylated</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	
Glyceryl triacetate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Glycidyl ester of C10 trialkylacetic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Glycine, sodium salt solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Glycolic acid solution (70% or less)	Z	S/P	3	2G	Open	No	-	-	NF	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)
Glyoxal solution (40% or less)	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Glyoxylic acid solution (50% or less)</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AC</u> <u>D</u>	<u>No</u>	<u>15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6, 16.2.3-9. (16.2.9), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)</u>
Glyphosate solution (not containing surfactant)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
Groundnut oil (containing less than 4% free fatty acids)	Y	P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB C D	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Heptane (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
n-Heptanoic acid	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Heptanol (all isomers) (d)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Heptene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Heptyl acetate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
1-Hexadecylnaphthalene / 1,4-bis(hexadecyl)naphthalene mixture	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
<u>Hexamethylenediamine (molten)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>C</u>	<u>T</u>	<u>C</u>	<u>Yes</u>	<u>15.12, 15.17, 15.18, 15.19.6, 16.2.3-9. (16.2.9)</u>
Hexamethylenediamine adipate (50% in water)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Hexamethylenediamine (molten)	Y	S/P	2	2G	Cont	No			Yes	C	T	C	Yes	15.12, 15.17, 15.18, 15.19.6, 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Hexamethylenediamine solution	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.19.6
Hexamethylene diisocyanate	Y	S/P	2	1G	Cont	Dry	T1	IIB	Yes	C	T	AC (b) D	Yes	15.12, 15.22.11 (15.16.2), 15.17, 15.16.2.8 15.18, 15.19 & 15.22.12 (15.19)
Hexamethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Hexamethyleneimine	Y	S/P	2	2G	Cont	No			No	R	F-T	AC	No	15.19.6
Hexane (all isomers)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
1,6-Hexanediol, distillation overheads	Y	S/P P	3	2G	Cont Open	No	-	-	Yes	R Q	T No	AB CD	No	15.12.3, 15.12.4, 15.19.6, 16.2.3-9. (16.2.9)
Hexanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
Hexanol	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
Hexene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Hexyl acetate	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Hydrochloric acid	Z	S/P	3	1G	Cont	No			NF	R	T	No	Yes	15.11
Hydrogen peroxide solutions (over 60% but not over 70% by mass)	Y	S/P	2	2G	Cont	No			NF	C	No	No	No	15.5.1 & 15.22.4 (15.5.1), 15.19.6
Hydrogen peroxide solutions (over 8% but not over 60% by mass)	Y	S/P	3	2G	Cont	No			NF	C	No	No	No	15.5.2, 15.18, 15.19.6
2-Hydroxyethyl acrylate	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
N-(Hydroxyethyl)ethylenediaminetriacetic acid, trisodium salt solution	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
2-Hydroxy-4-(methylthio)butanoic acid	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Illipe oil	Y	P	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	=	=	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Isoamyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isobutyl alcohol	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isobutyl formate	Z	P	3	2G	Cont	No			No	R	F	AB	No	

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Isobutyl methacrylate	Z	S/P P	3	2G	Cont	No	-	IIA -	No	C R	F-T F	BD A	Yes No	15.12, 15.13, 15.17, 15.19 & 15.22.12 (15.19) , 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Isophorone	Y	S/P	3	2G	Cont	No			Yes	R	No	A	No	15.19.6
Isophoronediamine	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	16.2.3-9. (16.2.9)
Isophorone diisocyanate	X	S/P	2	2G	Cont	Dry			Yes	C	T	AB D	No	15.12, 15.16.2 & 15.22.11 (15.16.2), 15.17, 15.19.6
Isoprene	Y	S/P	3	2G	Cont	No	T3	IIB	No	R	F	B	No	15.13, 15.14 & 15.22.10 (15.14), 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Isopropanolamine	Y	S/P	3	2G	Open	No	T2	IIA	Yes	O	F-T	A	No	15.19.6, 16.2.3-6 (16.2.6), 16.2.3-9. (16.2.9)
Isopropyl acetate	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Isopropylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	C	F-T	CD	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19)
<u>Isopropylamine (70% or less) solution</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>C</u>	<u>F-T</u>	<u>CD</u>	<u>Yes</u>	<u>15.12, 15.19.6, 16.2.3-9. (16.2.9)</u>
Isopropylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
Isopropyl ether	Y	S/P	3	2G	Cont	Inert			No	R	F	A	No	15.4.6, 15.13.3, 15.19.6
Lactic acid	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Lactonitrile solution (80% or less)	Y	S/P	2	1G	Cont	No			Yes	C	T	AC D	Yes	15.1 , 15.12, <u>15.13</u> , 15.17, 15.18, 15.19 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
Lard (containing less than 1% free fatty acids)	Y	P S/P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB CD	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
Product Name	Pollution Category	Hazards	Ship Type	Tank Type	Tank Vents	Tank Environmental Control	Electrical Equipment			Gauging	Vapour	Fire Extinguishing	Respiratory and Eye Protection	Special Requirements
							Class	Group	Flashpoint >60 °C					
<u>Latex, ammonia (1% or less) inhibited</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Latex: Carboxylated styrene-Butadiene copolymer; Styrene-Butadiene rubber</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Lauric acid	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Ligninsulphonic acid, sodium salt solution</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
<u>Linseed oil (containing less than 2% free fatty acids)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	Yes	<u>Open</u>	No	<u>AB</u> <u>C</u>	No	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Liquid chemical wastes	X	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.19.6, 20.5.1
Long-chain alkaryl polyether (C11-C20)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Long-chain alkaryl sulphonic acid (C16-C60)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
<u>Long-chain alkylphenate/Phenol sulphide mixture</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
L-Lysine solution (60% or less)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Magnesium chloride solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
<u>Magnesium long-chain alkaryl sulphonate (C11-C50)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Magnesium long-chain alkyl salicylate (C11+)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Maleic anhydride	Y	S/P	3	2G	Cont	No			Yes	R	No	<u>AC</u> (f)	No	16.2.3-9. (16.2.9)
<u>Mango kernel oil</u>	<u>Y</u>	<u>P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Mercaptobenzothiazol, sodium salt solution	X	S/P	2	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)
Mesityl oxide	Z	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Metam sodium solution	X	S/P	1	2G	Open	No			NF	O	No	No	No	15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Methacrylic acid	Y	S/P	3	2G	Cont	No			Yes	R	T	A	No	15.13, 15.19.6, 16.2.3-9. (16.2.9) 16.2.7-1. (16.6.1)
<u>Methacrylic acid- alkoxypoly (alkylene oxide) methacrylate copolymer, sodium salt aqueous solution (45% or less)</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>NF</u>	<u>O</u>	<u>No</u>	<u>AC</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Methacrylic resin in Ethylene dichloride	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AB	No	15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Methacrylonitrile	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.13, 15.17, 15.19 & 15.22.12 (15.19)
3-Methoxy-1-butanol	Z	P	3	2G	Cont	No			No	R	F	A	No	
3-Methoxybutyl acetate	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
N-(2-Methoxy-1-methylethyl)-2-ethyl-6-methyl chloroacetanilide	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
Methyl acetate	Z	P	3	2G	Cont	No			No	R	F	A	No	
Methyl acetoacetate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Methyl acrylate	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	A	Yes	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Methyl alcohol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylamine solutions (42% or less)	Y	S/P	2	2G	Cont	No			No	C	F-T	AC D	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Methylamyl acetate	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Methylamyl alcohol	Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methyl amyl ketone	Z	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylbutenol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
Methyl tert-butyl ether	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Methyl butyl ketone	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
Methylbutynol	Z	P	3	2G	Cont	No			No	R	F	A	No	
Methyl butyrate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Methylcyclohexane	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Methylcyclopentadiene dimer	Y	P	2	2G	Cont	No			No	R	F	B	No	15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Methylcyclopentadienyl manganese tricarbonyl	X	S/P	1	1G	Cont	No	-	-	Yes	C	T	AB CD	Yes	15.12, 15.18, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Methyl diethanolamine	Y	S/P	3	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6)
2-Methyl-6-ethyl aniline	Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6
Methyl ethyl ketone	Z	P	3	2G	Cont	No			No	R	F	A	No	
2-Methyl-5-ethyl pyridine	Y	S/P	3	2G	Open	No		IIA	Yes	O	No	AD	No	15.19.6
Methyl formate	Z	S/P	2	2G	Cont	No			No	R	F-T	A	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19)
2-Methyl-2-hydroxy-3-butyne	Z	S/P	3	2G	Cont	No		IIA	No	R	F-T	AB D	No	15.19.6, 16.2.3-9. (16.2.9)
Methyl isobutyl ketone	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Methyl methacrylate	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	A	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
3-Methyl-3-methoxybutanol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Methyl naphthalene (molten)	X	S/P	2	2G	Cont	No			Yes	R	No	AD	No	15.19.6
<u>2-Methyl-1, 3-propanediol</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
2-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F	A	No	15.12.3, 15.19.6
3-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F	AC	No	15.12.3, 15.19 & 15.22.12 (15.19)
4-Methylpyridine	Z	S/P	2	2G	Cont	No			No	C	F-T	A	No	15.12.3, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
N-Methyl-2-pyrrolidone	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Methyl salicylate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
alpha-Methylstyrene	Y	S/P	2	2G	Cont	No	T1	IIB	No	R	F-T	AD (j)	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
3-(methylthio)propionaldehyde	Y	S/P	2	2G	Cont	No	T3	IIA	Yes No	C	F F-T	BC	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Molybdenum polysulfide long chain alkyl dithiocarbamide complex</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>C</u>	<u>T</u>	<u>AB</u> <u>C</u>	<u>Yes</u>	<u>15.12, 15.17, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Morpholine	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.19.6
Motor fuel anti-knock compounds (containing lead alkyls)	X	S/P	1	1G	Cont	No	T4	IIA	No	C	F-T	AC	Yes	15.6 & 15.22.6 (15.6), 15.12, 15.18, 15.19 & 15.22.12 (15.19)
<u>Myrcene</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Naphthalene (molten)	X	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Naphthalenesulphonic acid-Formaldehyde copolymer, sodium salt solution</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Neodecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
Nitrating acid (mixture of sulphuric and nitric acids)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.16.2 & 15.22.11 (15.16.2), 15.17, 15.19 & 15.22.12 (15.19)
Nitric acid (70% and over)	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11, 15.19 & 15.22.12 (15.19)
Nitric acid (less than 70%)	Y	S/P	2	2G	Cont	No			NF	R	T	No	Yes	15.11, 15.19 & 15.22.12 (15.19)
Nitrilotriacetic acid, trisodium salt solution	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
Nitrobenzene	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	AD	No	15.12, 15.17, 15.18, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Nitroethane	Y	S/P	3	2G	Cont	No		II B	No	R	F-T	A(f)	No	15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-4. (16.6.4)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Nitroethane(80%)/Nitropropane(20%)	Y	S/P	3	2G	Cont	No		IIB	No	R	F-T	A(f)	No	15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
<u>Nitroethane, 1-Nitropropane (each 15% or more) mixture</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.2.3)</u>
o-Nitrophenol (molten)	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	No	15.12, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
1-or 2-Nitropropane	Y	S/P	3	2G	Cont	No	T2	IIB	No	R	F-T	A	No	15.19.6
Nitropropane (60%)/Nitroethane (40%) mixture	Y	S/P	3	2G	Cont	No			No	R	F-T	A(f)	No	15.19.6
<u>o-or p-Nitrotoluenes</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>		<u>IIB</u>	<u>Yes</u>	<u>C</u>	<u>T</u>	<u>AB</u>	<u>No</u>	<u>15.12, 15.17, 15.19.6</u>
Nonane (all isomers)	X	P	2	2G	Cont	No			No	R	F	BC	No	15.19.6
Nonanoic acid (all isomers)	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Non-edible industrial grade palm oil</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>R</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.12.3, 15.12.4, 15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Nonene (all isomers)	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Nonyl alcohol (all isomers)	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Nonyl methacrylate monomer	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Nonylphenol	X	P	1	2G	Open	No			Yes	O	No	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Nonylphenol poly (4+) ethoxylate</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Noxious liquid, NF, (1) n.o.s. (trade name, contains) ST1, Cat. X	X	P	1	2G	Open	No	-	-	Yes	O	No	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
Noxious liquid, F, (2) n.o.s. (trade name, contains) ST1, Cat. X	X	P	1	2G	Cont	No	T3	IIA	No	R	No <u>F</u>	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
Noxious liquid, NF, (3) n.o.s. (trade name, contains) ST2, Cat. X	X	P	2	2G	Open	No	-		Yes	O	No	A	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Noxious liquid, F, (4) n.o.s. (trade name, contains) ST2, Cat. X	<i>X</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>	<i>T3</i>	IIA	<i>No</i>	<i>R</i>	No <i>F</i>	<i>A</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
Noxious liquid, NF, (5) n.o.s. (trade name, contains) ST2, Cat. Y	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>	-		<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)(I)
Noxious liquid, F, (6) n.o.s. (trade name, contains) ST2, Cat. Y	<i>Y</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>	<i>T3</i>	IIA	<i>No</i>	<i>R</i>	No <i>F</i>	<i>A</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)(I)
Noxious liquid, NF, (7) n.o.s. (trade name, contains) ST3, Cat. Y	<i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>	-	-	<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)(I)
Noxious liquid, F, (8) n.o.s. (trade name, contains) ST3, Cat. Y	<i>Y</i>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>	<i>T3</i>	IIA	<i>No</i>	<i>R</i>	No <i>F</i>	<i>A</i>	<i>No</i>	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)(I)
Noxious liquid, NF, (9) n.o.s. (trade name, contains) ST3, Cat. Z	<i>Z</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>	-		<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	
Noxious liquid, F, (10) n.o.s. (trade name, contains) ST3, Cat. Z	<i>Z</i>	<i>P</i>	3	2G	<i>Cont</i>	<i>No</i>	<i>T3</i>	IIA	<i>No</i>	<i>R</i>	No <i>F</i>	<i>A</i>	<i>No</i>	
Octane (all isomers)	<i>X</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6
Octanoic acid (all isomers)	Z <i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>	=	=	<i>Yes</i>	<i>O</i>	<i>No</i>	AB	<i>No</i>	<u>15.19.6</u>
Octanol (all isomers)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	
Octene (all isomers)	<i>Y</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6
<u>n-Octyl acetate</u>	<i>Y</i>	<i>P</i>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Octyl aldehydes	<i>Y</i>	<i>P</i>	2 <u>3</u>	2G	<i>Cont</i>	<i>No</i>	=	=	<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)
<u>Octyl decyl adipate</u>	<i>Y</i>	<i>P</i>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	=	=	<u>Yes</u>	<u>Q</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Olefin-Alkyl ester copolymer (molecular weight 2000+)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Olefin mixtures (C5-C7)</u>	<i>Y</i>	<i>P</i>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
<u>Olefin mixtures (C5-C15)</u>	<i>X</i>	<i>P</i>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Olefins (C13+, all isomers)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	15.19.6, 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
Product Name	Pollution Category	Hazards	Ship Type	Tank Type	Tank Vents	Tank Environmental Control	Electrical Equipment			Gauging	Vapour	Fire Extinguishing	Respiratory and Eye Protection	Special Requirements
							Class	Group	Flashpoint >60 °C					
<u>alpha-Olefins (C6-C18) mixtures</u>	<u>X</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Oleic acid	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Oleum	Y	S/P	2	2G	Cont	No			NF	C	T	No	Yes	15.11.2~15.11.8, 15.12.1, 15.16.2 & 15.22.11 (15.16.2), 15.17, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
<u>Oleylamine</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>Yes</u>	<u>R</u>	<u>T</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Olive oil (containing less than 3.3% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Oxygenated aliphatic hydrocarbon mixture</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	
<u>Palm acid oil</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Palm fatty acid distillate</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Palm kernel acid oil</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Palm kernel oil (containing less than 5% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	F3 <u>-</u>	HB <u>-</u>	Yes	Open	No	AB <u>C</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Palm kernel olein</u>	<u>Y</u>	<u>P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Palm kernel stearin</u>	<u>Y</u>	<u>P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Palm mid-fraction</u>	<u>Y</u>	<u>P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Palm oil (containing less than 5% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Palm oil fatty acid methyl ester</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Palm olein (containing less than 5% free fatty acids)	Y	P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Palm stearin (containing less than 5% free fatty acids)	Y	P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB CD	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Paraffin wax	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Paraldehyde	Z	S/P	3	2G	Cont	No	T3	IIB	No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
Paraldehyde-ammonia reaction product	Y	S/P	2	2G	Cont	No			No	C	F-T	A	No	15.12.3, 15.19 & 15.22.12 (15.19)
Pentachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6
1,3-Pentadiene	Y	S/P P	3	2G	Cont	No			No	R	F-T	AB	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
<u>Pentaethylenehexamine</u>	<u>X</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>B</u>	<u>Yes</u>	<u>15.19 & 15.22.12 (15.19)</u>
Pentane (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.14 & 15.22.10 (15.14), 15.19.6
Pentanoic acid	Y	P	3	2G	Open	No			Yes	O	No	AB	No	15.19.6
n-Pentanoic acid (64%)/2-Methyl butyric acid (36%) mixture	Y	S/P	2	2G	Open	No	T2		Yes	C	No	AD	No	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.12.3, 15.19 & 15.22.12 (15.19)
Pentene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.14 & 15.22.10 (15.14), 15.19.6
n-Pentyl propionate	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Perchloroethylene	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.12.2, 15.19.6
Petrolatum	Z <u>Y</u>	P	2 <u>2</u>	2G	Open	No	=	=	Yes	O	No	AB	No	<u>15.19.6</u> , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Phenol	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	C	T	A	No	15.12, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
1-Phenyl-1-xylyl ethane	Y	P	3	2G	Open	No			Yes	O	No	AB	No	
<u>Phosphate esters, alkyl (C12-C14) amine</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	=	=	<u>No</u>	<u>R</u>	<u>F</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u> , <u>16.2.3-6. (16.2.6)</u> , <u>16.2.3-9. (16.2.9)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
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, 16.2.3-9. (16.2.9)
Phosphorous, yellow or white	X	S/P	1	1G	Cont	Pad+(vent or inert)			No(c)	C	No	C	Yes	15.7 & 15.22.7 (15.7), 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Phthalic anhydride (molten)	Y	S/P	2	2G	Cont	No	T1	IIA	Yes	R	No	AD	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
alpha-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
beta-Pinene	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Pine oil	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Polyacrylic acid solution (40% or less)</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AC</u>	<u>No</u>	
Polyalkyl (C18-C22) acrylate in X xylene	Y	P	<u>2</u>	2G	Cont	No			No	R	F	<u>AB</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Poly (2-8) alkylene glycol monoalkyl (C1-C6) ether</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
<u>Poly (2-8) alkylene glycol monoalkyl (C1-C6) ether acetate</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6</u>
Polyalkyl (C10-C20) methacrylate	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Polyalkyl (C10-C18) methacrylate/ethylene-propylene copolymer mixture	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Polybutene</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Polybutenyl succinimide</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Poly(2+)cyclic aromatics	X	P	1	2G	Cont	No			Yes	R	No	AD	No	15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Polyether (molecular weight 1350+)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Polyethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Polyethylene glycol dimethyl ether	<i>Z</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	
<u>Polyethylene polyamines</u>	<i>Y</i>	<i>S/P</i>	2	2G	<i>Open</i>	<i>No</i>	<i>:-</i>	<i>:-</i>	<i>Yes</i>	<i>Q</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6</u>
<u>Polyethelene polyamines (more than 50% C5-C20 paraffin oil)</u>	<i>Y</i>	<i>S/P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>Q</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Polyferric sulphate solution	<i>Y</i>	<i>S/P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>NF</i>	<i>O</i>	<i>No</i>	<i>No</i>	<i>No</i>	<u>15.19.6</u>
<u>Poly (iminoethylene)-graft-N-poly (ethyleneoxy) solution (90% or less)</u>	<i>Z</i>	<i>S/P</i>	3	2G	<i>Open</i>	<i>No</i>	<i>:-</i>	<i>:-</i>	<i>NF</i>	<i>Q</i>	<i>No</i>	<i>AC</i>	<i>No</i>	<u>16.2.3-9. (16.2.9)</u>
Polyisobutenamine in aliphatic (C10-C14) solvent	<i>Y</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>	<i>T3</i>	<i>IIA</i>	<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6</u>
Polyisobutenyl anhydride adduct	<i>Z</i>	<i>P</i>	3	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	
Poly(4+)isobutylene	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
<u>Polymethylene polyphenyl isocyanate</u>	<i>Y</i>	<i>S/P</i>	2	2G	<i>Cont</i>	<i>Dry</i>			<u><i>Yes(a)</i></u>	<i>C</i>	<i>T(a)</i>	<i>A</i>	<i>No</i>	<u>15.12, 15.16.2 & 15.22.11 (15.16.2), 15.19.6, 16.2.3-9. (16.2.9)</u>
<u>Polyolefin (molecular weight 300+)</u>	<i>Y</i>	<i>S/P</i>	2	2G	<i>Open</i>	<i>No</i>	<i>:-</i>	<i>:-</i>	<i>Yes</i>	<i>Q</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Polyolefin amide alkeneamine (C17+)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Polyolefin amide alkeneamine borate (C28-C250)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Polyolefinamine (C28-C250)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Polyolefinamine in alkyl (C2-C4) benzenes	<i>Y</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Polyolefinamine in aromatic solvent	<i>Y</i>	<i>P</i>	2	2G	<i>Cont</i>	<i>No</i>			<i>No</i>	<i>R</i>	<i>F</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
<u>Polyolefin aminoester salts (molecular weight 2000+)</u>	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>	<i>:-</i>	<i>:-</i>	<i>Yes</i>	<i>Q</i>	<i>No</i>	<i>A</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Polyolefin anhydride	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Polyolefin ester (C28-C250)	<i>Y</i>	<i>P</i>	2	2G	<i>Open</i>	<i>No</i>			<i>Yes</i>	<i>O</i>	<i>No</i>	<i>AB</i>	<i>No</i>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Polyolefin phenolic amine (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Polyolefin phosphorosulphide, barium derivative (C28-C250)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	<u>15.19.6</u> , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Poly(20)oxyethylene sorbitan monooleate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Poly(5+)propylene</u>	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-9. (16.2.9)</u>
Polypropylene glycol	Z	P S/P	3	2G	Open	No			Yes	O	No	AB C	No	<u>15.19.6</u>
Polysiloxane	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6, 16.2.3-9. (16.2.9)
<u>Potassium chloride solution</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>NF</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Potassium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6
Potassium oleate	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Potassium thiosulphate (50% or less)	Y	P	3	2G	Open	No			NF	O	No	No	No	<u>15.19.6</u> , 16.2.3-9. (16.2.9)
n-Propanolamine	Y	S/P	3	2G	Open	No			Yes	O	No	AD	No	15.19.6, 16.2.3-9. (16.2.9)
beta-Propiolactone	Y	S/P	2	2G	Cont	No		IIA	Yes	R	T	A	No	<u>15.19.6</u>
Propionaldehyde	Y	S/P	3	2G	Cont	No			No	R	F-T	A	Yes	15.17, 15.19.6
Propionic acid	Y	S/P	3	2G	Cont	No	T1	IIA	No	R	F	A	Yes	15.11.2, 15.11.3, 15.11.4, 15.11.6, 15.11.7, 15.11.8, 15.19.6
Propionic anhydride	Y	S/P	3	2G	Cont	No	T2	IIA	Yes	R	T	A	No	<u>15.19.6</u>
Propionitrile	Y	S/P	2	1G	Cont	No	T1	IIB	No	C	F-T	AD	Yes	15.12, 15.17, 15.18, 15.19 & 15.22.12 (15.19)
n-Propyl acetate	Y	P	3	2G	Cont	No			No	R	F	AB	No	15.19.6
n-Propyl n-Propyl alcohol	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
n-Propylamine	Z	S/P	2	2G	Cont	Inert	T2	IIA	No	C	F-T	AD	Yes	15.12, 15.19 & 15.22.12 (15.19)
Propylbenzene (all isomers)	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Propylene glycol methyl ether acetate	Z	P	3	2G	Cont	No			No	R	F	A	No	
Propylene glycol monoalkyl ether	Z	P	3	2G	Cont	No			No	R	F	AB	No	
Propylene glycol phenyl ether	Z	P	3	2G	Open	No			Yes	O	No	AB	No	

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Propylene oxide	Y	S/P	2	2G	Cont	Inert	T2	IIB	No	C	F-T	AC	No	15.8 & 15.22.8 (15.8), 15.12.1, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19)
Propylene tetramer	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Propylene trimer	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Pyridine	Y	S/P	2 3	2G	Cont	No	T1	IIA	No	R	F	A	No	15.19.6
Pyrolysis gasoline (containing benzene)	Y	S/P	2	2G	Cont	No	T3	IIA	No	C	F-T	AB	No	15.12, 15.17, 15.19.6
Rapeseed oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	Q	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Rapeseed oil (low erucic acid, containing less than 4% free fatty acids)	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Rape seed oil fatty acid methyl esters	Y	P	2	2G	Open	No	-	-	Yes	Q	No	A	No	15.19.6
Resin oil, distilled	Y	S/P	2	2G	Cont	No	T1	IIA	No	C	F-T	AB C	No	15.12, 15.17, 15.19.6
Rice bran oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	Q	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Rosin	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Safflower oil	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	Q	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Shea butter	Y	S/P	2 (k)	2G	Open	No	-	-	Yes	Q	No	AB C	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Sodium alkyl (C14-C17) sulphonates (60-65% solution)	Y	P	2	2G	Open	No			NF	Q	No	No	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Sodium aluminosilicate slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Sodium benzoate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Sodium borohydride (15% or less)/Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Sodium carbonate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Sodium chlorate solution (50% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	15.9 & 15.22.9 (15.9), 15.19.6 , 16.2.3-9. (16.2.9)
Sodium dichromate solution (70% or less)	Y	S/P	2	2G	Open	No			NF	C	No	No	No	15.12.3, 15.19 & 15.22.12 (15.19)
Sodium hydrogen sulphide (6% or less)/Sodium carbonate (3% or less) solution	Z	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)
Sodium hydrogen sulphite solution (45% or less)	Z	S/P	3	2G	Open	No			NF	O	No	No	No	16.2.3-9. (16.2.9)
Sodium hydrosulphide/Ammonium sulphide solution	Y	S/P	2	2G	Cont	No			No	C	F-T	A	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.17, 15.19 & 15.22.12 (15.19), 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2), 16.2.7-3. (16.6.3)
Sodium hydrosulphide solution (45% or less)	Z	S/P	3	2G	Cont	Vent or pad(gas)			NF	R	T	No	No	15.19.6, 16.2.3-9. (16.2.9)
Sodium hydroxide solution	Y	S/P	3	2G	Open	No			NF	O	No	No	No	15.19.6 , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Sodium hypochlorite solution (15% or less)	Y	S/P	2	2G	Cont	No	-	-	NF	R	No	No	No	15.19.6
Sodium nitrite solution	Y	S/P	2	2G	Open	No			NF	O	No	No	No	15.12.3.1, 15.12.3.2, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
<u>Sodium petroleum sulphonate</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Sodium poly(4+)acrylate solutions</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>=</u>	<u>=</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Sodium silicate solution	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6 , 16.2.3-9. (16.2.9)
Sodium sulphide solution (15% or less)	Y	S/P	3	2G	Cont	No			NF	C	T	No	No	15.19.6, 16.2.3-9. (16.2.9)
Sodium sulphite solution (25% or less)	Y	P	3	2G	Open	No			NF	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)
Sodium thiocyanate solution (56% or less)	Y	P	3	2G	Open	No			Yes	O	No	No	No	15.19.6, 16.2.3-9. (16.2.9)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Soyabean oil (containing less than 0.5% free fatty acids)	<u>Y</u>	P <u>S/P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	Open <u>C</u>	<u>No</u>	AB <u>CD</u>	<u>No</u>	15.19.6, 16.2.3-6. (16.2.6), <u>16.2.3-9. (16.2.9)</u>
<u>Styrene monomer</u>	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>T1</u>	<u>IIA</u>	<u>No</u>	<u>R</u>	<u>F</u>	<u>AB</u>	<u>No</u>	<u>15.13, 15.19.6,</u> <u>16.2.7-1. (16.6.1),</u> <u>16.2.7-2. (16.6.2)</u>
<u>Sulphohydrocarbon (C3-C88)</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6),</u> <u>16.2.3-9. (16.2.9)</u>
Sulpholane	<u>Y</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	15.19.6, 16.2.3-9. (16.2.9)
Sulphonated polyacrylate solution	Z	P	3	2G	Cont	No			No	R	F	A	No	
Sulphur (molten)	<u>Z</u>	<u>S</u>	<u>3</u>	<u>1G</u>	<u>Open</u>	<u>Vent or pad(gas)</u>	<u>T3</u>		<u>Yes</u>	<u>O</u>	<u>F-T</u>	<u>No</u>	<u>No</u>	15.10, 16.2.3-9. (16.2.9)
Sulphuric acid	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	15.11, 15.16.2 & 15.22.11 (15.16.2), 15.19.6
Sulphuric acid, spent	<u>Y</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>NF</u>	<u>O</u>	<u>No</u>	<u>No</u>	<u>No</u>	15.11, 15.16.2 & 15.22.11 (15.16.2), 15.19.6
Sulphurized fat (C14-C20)	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u>	<u>No</u>	
<u>Sulphurized polyolefinamide alkene (C28-C250) amine</u>	<u>Z</u>	<u>P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	
Sunflower seed oil (containing less than 7% free fatty acids)	<u>Y</u>	P <u>S/P</u>	<u>2</u> (k)	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	Open <u>C</u>	<u>No</u>	AB <u>CD</u>	<u>No</u>	15.19.6, 16.2.3-6. (16.2.6), <u>16.2.3-9. (16.2.9)</u>
<u>Tall oil, crude</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>C</u>	<u>T</u>	AB <u>C</u>	<u>Yes</u>	<u>15.12, 15.17,</u> <u>15.19 & 15.22.12 (15.19),</u> <u>16.2.3-6. (16.2.6)</u>
<u>Tall oil, distilled</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	AB <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
<u>Tall oil fatty acid (resin acids less than 20%)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	AB <u>C</u>	<u>No</u>	<u>15.19.6</u>
<u>Tall oil pitch</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>	<u>:-</u>	<u>:-</u>	<u>Yes</u>	<u>C</u>	<u>T</u>	AB <u>C</u>	<u>Yes</u>	<u>15.12, 15.17,</u> <u>15.19 & 15.22.12 (15.19),</u> <u>16.2.3-6. (16.2.6),</u> <u>16.2.3-9. (16.2.9)</u>

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Tallow (containing less than 15% free fatty acids)	Y	P	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB CD	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
<u>Tallow fatty acid</u>	<u>Y</u>	<u>P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	<u>-</u>	<u>-</u>	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)</u>
Tetrachloroethane	Y	S/P	2	2G	Cont	No			NF	R	T	No	No	15.12, 15.17, 15.19.6
Tetraethylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Tetraethylene pentamine	Y	S/P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Tetrahydrofuran	Z	S	3	2G	Cont	No	T3	IIB	No	R	F-T	A	No	15.19.6
Tetrahydronaphthalene	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Tetramethylbenzene (all isomers)	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
Titanium dioxide slurry	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
Toluene	Y	P	3	2G	Cont	No			No	R	F	A	No	15.19.6
Toluenediamine	Y	S/P	2	2G	Cont	No			Yes	C	T	AD	Yes	15.12, 15.17, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Toluene diisocyanate	Y	S/P	2	2G	Cont	Dry	T1	IIA	Yes	C	F-T	AC (b) D	Yes	15.12, 15.16.2 & 15.22.11 (15.16.2), 15.17, 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
o-Toluidine	Y	S/P	2	2G	Cont	No			Yes	C	T	A	No	15.12, 15.17, 15.19 & 15.22.12 (15.19)
Tributyl phosphate	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
1,2,3-Trichlorobenzene (molten)	X	S/P	1	2G	Cont	No			Yes	C	T	AC D	Yes	15.12.1, 15.17, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
1,2,4-Trichlorobenzene	X	S/P	1	2G	Cont	No			Yes	R	T	AB	No	15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
1,1,1-Trichloroethane	Y	P	3	2G	Open	No			Yes	O	No	A	No	15.19.6
1,1,2-Trichloroethane	Y	S/P	3	2G	Cont	No			NF	R	T	No	No	15.12.1, 15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Trichloroethylene	Y	S/P	2	2G	Cont	No	T2	IIA	Yes	R	T	No	No	15.12, 15.17, 15.19.6
1,2,3-Trichloropropane	Y	S/P	2	2G	Cont	No			Yes	C	T	AB D	No	15.12, 15.17, 15.19 & 15.22.12 (15.19)
1,1,2-Trichloro-1,2,2-Trifluoroethane	Y	P	2	2G	Open	No			NF	O	No	No	No	15.19.6
Tricresyl phosphate (containing 1% or more ortho-isomer)	Y	S/P	1	2G	Cont	No	T2	IIA	Yes	C	No	AB	No	15.12.3, 15.19 & 15.22.12 (15.19), 16.2.3-6. (16.2.6)
Tricresyl phosphate (containing less than 1% ortho-isomer)	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>			<u>Yes</u>	<u>O</u>	<u>No</u>	<u>A</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6)</u>
Tridecane	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6
Tridecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Tridecyl acetate	Y <u>Y</u>	P	3	2G	Open	No	+ <u>=</u>	= <u>=</u>	Yes	O	No	AB <u>A</u>	No	<u>15.19.6</u>
Triethanolamine	Z	S/P	3	2G	Open	No		IIA	Yes	O	No	A	No	16.2.3-9. (16.2.9)
Triethylamine	Y	S/P	2	2G	Cont	No	T2	IIA	No	R	F-T	AC	Yes	15.12, 15.19.6
Triethylbenzene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Triethylenetetramine	Y	S/P	2	2G	Open	No	T2	IIA	Yes	O	No	A	No	15.19.6
Triethyl phosphate	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Triethyl phosphite	Z	S/P	3	2G	Cont	No			No	R	F-T	AB	No	15.12.1, 15.19.6, 16.2.3-9. (16.2.9)
Triisopropanolamine	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Triisopropylated phenyl phosphates	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6)
Trimethylacetic acid	Y	S/P	2 <u>2</u>	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, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Trimethylamine solution (30% or less)	Z	S/P	2	2G	Cont	No			No	C	F-T	AC	Yes	15.12, 15.14 & 15.22.10 (15.14), 15.19 & 15.22.12 (15.19), 16.2.3-9. (16.2.9)
Trimethylbenzene (all isomers)	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
<u>Trimethylol propane propoxylated</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	Z	P	3	2G	Open	No			Yes	O	No	AB	No	
2,2,4-Trimethyl-1,3-pentanediol-1-isobutyrate	Y	P	2	2G	Open	No			Yes	O	No	A	No	<u>15.19.6</u>
1,3,5-Trioxane	Y	S/P	3	2G	Cont	No			No	R	F	AD	No	15.19.6, 16.2.3-9. (16.2.9)
Tripropylene glycol	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Triethyl phosphate	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-6. (16.2.6)
Tung oil (containing less than 2.5% free fatty acids)	Y	P <u>S/P</u>	2 (k)	2G	Open	No	-	-	Yes	Open	No	AB <u>CD</u>	No	15.19.6, 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Turpentine	X	P	2	2G	Cont	No			No	R	F	A	No	15.19.6
Undecanoic acid	Y	P	2	2G	Open	No			Yes	O	No	A	No	16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
1-Undecene	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Undecyl alcohol	X	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6, 16.2.3-9. (16.2.9)
Urea/Ammonium nitrate solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Urea/Ammonium nitrate solution (containing aqua ammonia)	Z	S/P	3	2G	Cont	No			NE	R	T	A	No	16.2.3-9. (16.2.9)
<u>Urea/Ammonium nitrate solution (containing less than 1% free ammonia)</u>	<u>Z</u>	<u>S/P</u>	<u>3</u>	<u>2G</u>	<u>Cont</u>	<u>No</u>			<u>NF</u>	<u>R</u>	<u>T</u>	<u>A</u>	<u>No</u>	<u>16.2.3-9. (16.2.9)</u>
Urea/Ammonium phosphate solution	Y	P	2	2G	Open	No			Yes	O	No	A	No	15.19.6
Urea solution	Z	P	3	2G	Open	No			Yes	O	No	A	No	
Valeraldehyde (all isomers)	Y	S/P	3	2G	Cont	Inert	T3	IIB	No	R	F-T	A	No	15.4.6, 15.19.6
Vegetable protein solution (hydrolysed)	Z	P	3	2G	Open	No			Yes	O	No	A	No	
<u>Vegetable acid oils (m)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6),</u> <u>16.2.3-9. (16.2.9)</u>
<u>Vegetable fatty acid distillates (m)</u>	<u>Y</u>	<u>S/P</u>	<u>2</u>	<u>2G</u>	<u>Open</u>	<u>No</u>	-	-	<u>Yes</u>	<u>O</u>	<u>No</u>	<u>AB</u> <u>C</u>	<u>No</u>	<u>15.19.6, 16.2.3-6. (16.2.6),</u> <u>16.2.3-9. (16.2.9)</u>
Vinyl acetate	Y	S/P	3	2G	Cont	No	T2	IIA	No	R	F	A	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)

<i>a</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i'</i>	<i>i''</i>	<i>i'''</i>	<i>j</i>	<i>k</i>	<i>l</i>	<i>n</i>	<i>o</i>
<i>Product Name</i>	<i>Pollution Category</i>	<i>Hazards</i>	<i>Ship Type</i>	<i>Tank Type</i>	<i>Tank Vents</i>	<i>Tank Environmental Control</i>	<i>Electrical Equipment</i>			<i>Gauging</i>	<i>Vapour</i>	<i>Fire Extinguishing</i>	<i>Respiratory and Eye Protection</i>	<i>Special Requirements</i>
							<i>Class</i>	<i>Group</i>	<i>Flashpoint >60 °C</i>					
Vinyl ethyl ether	Z	S/P	2	1G	Cont	Inert	T3	IIB	No	C	F-T	A	Yes	15.4, 15.13, 15.14 & 15.22.10 (15.14), 15.19.6 & 15.22.12 (15.19) 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Vinylidene chloride	Y	S/P	2	2G	Cont	Inert	T2	IIA	No	R	F-T	B	Yes	15.13, 15.14 & 15.22.10 (15.14), 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Vinyl neodecanoate	Y	S/P	2	2G	Open	No			Yes	O	No	AB	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Vinyltoluene	Y	S/P	2	2G	Cont	No		IIA	No	R	F	AB	No	15.13, 15.19.6, 16.2.7-1. (16.6.1), 16.2.7-2. (16.6.2)
Waxes	Z Y	P	2 2	2G	Open	No	=	=	Yes	O	No	AB	No	15.19.6 , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
White spirit, low (15-20%) aromatic	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9)
Xylenes	Y	P	2	2G	Cont	No			No	R	F	A	No	15.19.6, 16.2.3-9. (16.2.9) (h)
Xylenes/ethylbenzene (10% or more) mixture	Y	P	2	2G	Cont	No	=	=	No	R	F	A	No	15.19.6
Xylenol	Y	S/P	2 2	2G	Open	No		IIA	Yes	O	No	AB	No	15.19.6, 16.2.3-9. (16.2.9)
Zinc alkaryl dithiophosphate (C7-C16)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6 , 16.2.3-6. (16.2.6), 16.2.3-9. (16.2.9)
Zinc alkenyl carboxamide	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)
Zinc alkyl dithiophosphate (C3-C14)	Y	P	2	2G	Open	No			Yes	O	No	AB	No	15.19.6, 16.2.3-6. (16.2.6)

(notes)

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

Chapter 18 LIST OF CHEMICALS TO WHICH THIS PART DOES NOT APPLY (with reference to IBC Code Chapter 18)

18.1 General

18.1.1 Application

Table S18.1 has been amended as follows.

Table S18.1 List of Chemicals to Which This Part does not Apply

Product name	Pollution Category ⁽¹⁾
Acetone	Z
Alcoholic beverages, n.o.s.	Z
Apple juice	OS
n-Butyl alcohol	Z
sec-Butyl alcohol	Z
<u>Calcium nitrate solutions (50% or less)</u>	<u>Z</u>
Clay slurry	OS
Coal slurry	OS
Diethylene glycol	Z
Ethyl alcohol	Z
Ethylene carbonate	Z
Glucose solution	OS
Glycerine	Z
Glycerol monooleate	Z
Hexamethylenetetramine solutions	Z
Hexylene glycol	Z
<u>Hydrogenated starch hydrolysate</u>	<u>OS</u>
Isopropyl alcohol	Z
Kaolin slurry	OS
<u>Lecithin</u>	<u>OS</u>
Magnesium hydroxide slurry	Z
<u>Maltitol solution</u>	<u>OS</u>
N-Methylglucamine solution (70% or less)	Z
Methyl propyl ketone	Z
Molasses	OS
Noxious liquid, (11) n.o.s. (trade name, contains) Cat. Z ⁽²⁾	Z
Non-noxious liquid, (12) n.o.s. (trade name, contains) Cat. OS ⁽²⁾	OS
Polyaluminium chloride solution	Z
<u>Polyglycerin, sodium salt solution</u> <u>(containing less than 3% sodium hydroxide)</u>	<u>Z</u>
Potassium formate solutions	Z
Propylene carbonate	Z
Propylene glycol	Z
Sodium acetate solutions	Z
Sodium sulphate solutions	Z
<u>Sorbitol solution</u>	<u>OS</u>
<u>Sulphonated polyacrylate solution</u>	<u>Z</u>
Tetraethyl silicate monomer/oligomer (20% in ethanol)	Z
Triethylene glycol	Z

<u>Vegetable protein solution (hydrolysed)</u>	<u>OS</u>
Water	OS

(notes)

- (1) Some liquid substances are identified as falling into pollution category Z and, therefore, subject to certain requirements of *Annex II* of *MARPOL 73/78*.
- (2) Liquid mixtures which are assessed or provisionally assessed under regulation 6.3 of *MARPOL Annex II* as falling into Pollution Category Z or OS , and which do not present safety hazards, may be carried under the appropriate entry in this Table for “Noxious or Non-Noxious Liquid Substances, not otherwise specified (n.o.s.)”.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2009.