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Committee of Experts on the Transport of Dangerous Goods and on the Globally Harmonized System of Classification and Labelling of Chemicals

Sub-Committee of Experts on the Globally Harmonized
System of Classification and Labelling of Chemicals
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Item 3 (b) of the provisional agenda

**Hazard communication issues: Improvement of annexes 1 to 3 and
further rationalization of precautionary statements**

Addendum to document ST/SG/AC.10/C.4/2016/17: Proposed changes to section 3 (matrix tables) of Annex 3 of the GHS

**Transmitted by the expert from the United Kingdom on behalf of
the correspondence group on improving annexes 1, 2 and 3 of the
GHS**

Background

1. This addendum shows marked up changes to table A3.3.5 in Section 3 of Annex 3 of the GHS “Matrix of precautionary statements by hazard class category”, as indicated in document ST/SG/AC.10/2016/17, paragraph 9.
2. New proposed wording is shown in underlined italics, *thus*.
3. The symbol and accompanying description have been moved from the right of the page to be included in the columns, this is not shown in the mark up.
4. Where a new line has been included in its entirety (e.g. Explosives Division 1.5 on page 3) this has been moved from a previously separate page. These formerly separate pages are not shown.


Changes to the matrix tables in Section 3 of Annex 3 of the GHS “Matrix of precautionary statements by hazard class category”,

EXPLOSIVES (CHAPTER 2.1)

Hazard category	<i>Symbol</i>	Signal word(s)	Hazard statement (s)
Unstable explosive	<i>Exploding bomb</i> 	Danger	H200 Unstable explosive


Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P201 Obtain special instructions before use.</p> <p>P250 Do not subject to grinding/shock/friction/... <i>– if the explosive is mechanically sensitive.</i> ...Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</p>	<p>P401 Store in accordance with... ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 Dispose of contents/container toin accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**EXPLOSIVES
(CHAPTER 2.1)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement	
Division 1.1	<i>Exploding bomb</i>		Danger	H200 Explosive; mass explosion hazard
Division 1.2	<i>Exploding bomb</i>		Danger	H202 Explosive; severe projection hazard
Division 1.3	<i>Exploding bomb</i>		Danger	H203 Explosive; fire, blast or projection hazard
<i>Division 1.5</i>	<i>No symbol</i>		<i>No symbol</i>	<i>Danger</i>


Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P230 Keep wetted with... – for substances and mixtures which are wetted, diluted, dissolved or suspended with a phlegmatizer in order to reduce or suppress their explosive properties (desensitized explosives). ... Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P234 Keep only in original packaging.</p> <p>P240 Ground and bond container and receiving equipment. – if the explosive is electrostatically sensitive.</p> <p>P250 Do not subject to grinding/shock/friction/... – if the explosive is mechanically sensitive. ...Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</p>	<p>P401 Store in accordance with... ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 Dispose of contents/container to in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**EXPLOSIVES
(CHAPTER 2.1)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Division 1.4	<i><u>Exploding bomb</u></i>		Warning H204 Fire or projection hazard


Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P240 Ground and bond container and receiving equipment. – <i>if the explosive is electrostatically sensitive.</i></p> <p>P250 Do not subject to grinding/shock/friction/... – <i>if the explosive is mechanically sensitive.</i> ...Manufacturer/supplier or the competent authority to specify applicable rough handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives. – <i>except for explosives of division 1.4 (compatibility group S) in transport packaging.</i></p> <p>P370 + P380 + P375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. – <i>for explosives of division 1.4 (compatibility group S) in transport packaging.</i></p>	<p>P401 Store in accordance with... ... Manufacturer/supplier or the competent authority to specify local/regional/national/international regulations as applicable.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

FLAMMABLE GASES
(CHAPTER 2.2)
(Flammable gases)

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame</i>		Danger H220 Extremely flammable gas
2	<i>No symbol</i>	<i>No symbol</i>	<i>Warning</i> H221 <i>Flammable gas</i>

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.	P377 Leaking gas fire: Do not extinguish, unless leak can be stopped safely. P381 In case of leakage, eliminate all ignition sources.	P403 Store in a well-ventilated place.	

**FLAMMABLE GASES
(CHAPTER 2.2)
(Pyrophoric gases)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
Pyrophoric gas	<i>Flame</i>		Danger
			H232 May ignite spontaneously if exposed to air

Precautionary statements			
Prevention	Response	Storage	Disposal
P222 Do not allow contact with air. <i>– if emphasis of the hazard statement is deemed necessary.</i> P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.			

Note: This table lists only precautionary statements that are assigned due to the pyrophoricity of the gas. For the other precautionary statements that are assigned based on the flammability, see the respective tables for flammable gases.


**FLAMMABLE GASES
(CHAPTER 2.2)
(Chemically unstable gases)**

Hazard category	<i><u>Symbol</u></i>	Signal word	Hazard statement
A	<i><u>No additional symbol</u></i>	<i>No additional signal word</i>	H230 May react explosively even in the absence of air
B	<i><u>No additional symbol</u></i>	<i>No additional signal word</i>	H231 May react explosively even in the absence of air at elevated pressure and/or temperature

Precautionary statements			
Prevention	Response	Storage	Disposal
P202 Do not handle until all safety precautions have been read and understood.			

Note: This table lists only the precautionary statement that is assigned due to the chemical instability of the gas. For the other precautionary statements that are assigned based on the flammability see the respective tables for flammable gases.

**AEROSOLS
(CHAPTER 2.3)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Flame</i>		Danger
2	<i>Flame</i>		Warning

H222 Extremely flammable aerosol
H229 Pressurized container: may burst if heated
H223 Flammable aerosol
H229 Pressurized container: may burst if heated


Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use.		P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Manufacturer/supplier or the competent authority to use applicable temperature scale.	

AEROSOLS
(CHAPTER 2.3)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>No symbol</i>	Warning	H229 Pressurized container: may burst if heated


Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P251 Do not pierce or burn, even after use.		P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Manufacturer/supplier or the competent authority to use applicable temperature scale.	

**OXIDIZING GASES
(CHAPTER 2.4)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Flame over circle</i>		Danger
			H270 May cause or intensify fire; oxidizer


Precautionary statements			
Prevention	Response	Storage	Disposal
P220 Keep away from clothing and other combustible materials. P244 Keep valves and fittings free from oil and grease.	P370 + P376 In case of fire: Stop leak if safe to do so.	P403 Store in a well-ventilated place.	

**GASES UNDER PRESSURE
(CHAPTER 2.5)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Compressed gas	<u>Gas cylinder</u>		Warning H280 Contains gas under pressure; may explode if heated
Liquefied gas	<u>Gas cylinder</u>		Warning H280 Contains gas under pressure; may explode if heated
Dissolved gas	<u>Gas cylinder</u>		Warning H280 Contains gas under pressure; may explode if heated


Precautionary statements			
Prevention	Response	Storage	Disposal
		P410 + P403 Protect from sunlight. Store in a well-ventilated place. <i>– P410 may be omitted for gases filled in transportable gas cylinders in accordance with packing instruction P200 of the UN Recommendations on the Transport of Dangerous Goods, Model Regulations, unless those gases are subject to (slow) decomposition or polymerisation, or the competent authority provides otherwise.</i>	

**GASES UNDER PRESSURE
(CHAPTER 2.5)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Refrigerated liquefied gas	<u>Gas cylinder</u> 	Warning	H281 Contains refrigerated gas; may cause cryogenic burns or injury

Precautionary statements			
Prevention	Response	Storage	Disposal
P282 Wear cold insulating gloves and either face shield or eye protection.	P336 + P315 Thaw frosted parts with lukewarm water. Do not rub affected area. Get immediate medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P403 Store in a well-ventilated place.	

**FLAMMABLE LIQUIDS
(CHAPTER 2.6)**


Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame</i>		Danger H224 Extremely flammable liquid and vapour
2	<i>Flame</i>		Danger H225 Highly flammable liquid and vapour
3	<i>Flame</i>		Warning H226 Flammable liquid and vapour
Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed. – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P240 Ground and bond container and receiving equipment. – if the liquid is volatile and may generate an explosive atmosphere.</p> <p>P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment. – if the liquid is volatile and may generate an explosive atmosphere. – text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate. – precautionary statement may be omitted where local or national legislation introduces more specific provisions..</p> <p>P242 Use non-sparking tools. – if the liquid is volatile and may generate an explosive atmosphere and if the minimum ignition energy is very low. (This applies to substances and mixtures where the minimum ignition energy is <0.1mJ, e.g. carbon disulphide).</p> <p>P243 Take action to prevent static discharges. – if the liquid is volatile and may generate an explosive atmosphere. – may be omitted where local or national legislation introduces more specific provisions.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. – text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</p> <p>P370 + P378 In case of fire: Use ... to extinguish. – if water increases risk. ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 + P235 Store in a well-ventilated place. Keep cool. – for flammable liquids Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**FLAMMABLE LIQUIDS
(CHAPTER 2.6)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
4	<i>No symbol</i>	Warning	H227 Combustible liquid

Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 Wear protective gloves/protective clothing/eye protection/face protection Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 In case of fire: Use ... to extinguish. <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	P403 Store in a well-ventilated place. <i>– for flammable liquids</i> <i>Category 1 and other flammable liquids that are volatile and may generate an explosive atmosphere.</i>	P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**FLAMMABLE SOLIDS
(CHAPTER 2.7)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame</i>		Danger H228 Flammable solid
2	<i>Flame</i>		Warning H228 Flammable solid

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P240 Ground and bond container and receiving equipment. <i>– if the solid is electrostatically sensitive.</i></p> <p>P241 Use explosion-proof [electrical/ventilating/lighting/...]equipment. <i>– if dust clouds can occur.</i> <i>– text in square brackets may be used to specify specific electrical, ventilating, lighting or other equipment if necessary and as appropriate.</i> <i>– precautionary statement may be omitted where local or national legislation introduces more specific provisions.</i></p> <p>P280 Wear protective gloves/ protective clothing/eye protection/face protection Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

**SELF-REACTIVE SUBSTANCES AND MIXTURES
(CHAPTER 2.8)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Type A	<i>Exploding bomb</i>		Danger H240 Heating may cause an explosion

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</p>	<p>P403 Store in a well-ventilated place. <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>– if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**SELF-REACTIVE SUBSTANCES AND MIXTURES
(CHAPTER 2.8)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
Type B	<i>Exploding bomb and Flame</i>	 	Danger H241 Heating may cause a fire or explosion

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool – <i>may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. – <i>if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P380 + P375 [+ P378] In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish] – <i>text in square brackets to be included if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. – <i>except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. – <i>if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>


SELF-REACTIVE SUBSTANCES AND MIXTURES
(CHAPTER 2.8)

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Type C	<i>Flame</i>	Danger	H242 Heating may cause a fire
Type D	<i>Flame</i>	Danger	H242 Heating may cause a fire
Type E	<i>Flame</i>	Warning	H242 Heating may cause a fire
Type F	<i>Flame</i>	Warning	H242 Heating may cause a fire




Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool – <i>may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. – <i>if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. – <i>except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P411 Store at temperatures not exceeding ...°C/...°F. – <i>if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ...Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**PYROPHORIC LIQUIDS
(CHAPTER 2.9)**

Hazard category	<i>Symbol</i>		Signal word	Hazard statement
1	<i>Flame</i>		Danger	H250 Catches fire spontaneously if exposed to air

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P222 Do not allow contact with air. – <i>if emphasis of the hazard statement is deemed necessary.</i></p> <p>P231 + P232 Handle and store contents under inert gas/.... Protect from moisture. ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.</p> <p>P233 Keep container tightly closed.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P302 + P334 IF ON SKIN: Immerse in cool water or wrap in wet bandages.</p> <p>P370 + P378 In case of fire: Use ... to extinguish – <i>if water increases risk.</i> ...Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

**PYROPHORIC SOLIDS
(CHAPTER 2.10)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame</i>		Danger H250 Catches fire spontaneously if exposed to air


Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P222 Do not allow contact with air. – <i>if emphasis of the hazard statement is deemed necessary.</i></p> <p>P231 + P232 Handle and store contents under inert gas/... Protect from moisture. ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.</p> <p>P233 Keep container tightly closed.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P302 + P335 + P334 IF ON SKIN: Brush off loose particles from skin. Immerse in cool water or wrap in wet bandages.</p> <p>P370 + P378 In case of fire: Use ... to extinguish – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>		

**SELF-HEATING SUBSTANCES AND MIXTURES
(CHAPTER 2.11)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame</i>		Danger H251 Self-heating; may catch fire
2	<i>Flame</i>		Warning H252 Self-heating in large quantities; may catch fire

Precautionary statements			
Prevention	Response	Storage	Disposal
P235 Keep cool. <i>– may be omitted if P413 is given on the label.</i> P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.		P407 Maintain air gap between stacks or pallets. P413 Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F. ... Manufacturer/supplier or the competent authority to specify mass and temperature using applicable scale. P420 Store separately.	

**SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES
(CHAPTER 2.12)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<u>Flame</u> 	Danger	H260 In contact with water releases flammable gases, which may ignite spontaneously
2	<u>Flame</u>	Danger	H261 In contact with water releases flammable gas

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P223 Do not allow contact with water. – <i>if emphasis of the hazard statement is deemed necessary.</i></p> <p>P231 + P232 Handle and store contents under inert gas/... Protect from moisture. – <i>if the substance or mixture reacts readily with moisture in air.</i> ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P302 + P335 + P334 IF ON SKIN: Brush off loose particles from skin and immerse in cool water.</p> <p>P370 + P378 In case of fire: Use ... to extinguish – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P402 + P404 Store in a dry place. Store in a closed container.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/ international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

SUBSTANCES AND MIXTURES WHICH, IN CONTACT WITH WATER, EMIT FLAMMABLE GASES
(CHAPTER 2.12)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>Flame</i> 	Warning	H261 In contact with water releases flammable gas

Precautionary statements			
Prevention	Response	Storage	Disposal
P231 + P232 Handle and store contents under inert gas/... Protect from moisture. <i>– if the substance or mixture reacts readily with moisture in air.</i> ...Manufacturer/supplier or the competent authority to specify appropriate liquid or gas if “inert gas” is not appropriate. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 In case of fire: Use ... to extinguish. <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.	P402 + P404 Store in a dry place. Store in a closed container.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**OXIDIZING LIQUIDS
(CHAPTER 2.13)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Flame over circle</i>	Danger	H271 May cause fire or explosion; strong oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220 Keep away from clothing and other combustible materials.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p> <p>P283 Wear fire resistant or flame retardant clothing.</p>	<p>P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</p> <p>P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</p> <p>P370 + P378 In case of fire: Use ... to extinguish. – <i>if water increases risk...</i> Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>


**OXIDIZING LIQUIDS
(CHAPTER 2.13)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
2	<i>Flame over circle</i>	Danger	H272 May intensify fire; oxidizer
3	<i>Flame over circle</i>	Warning	H272 May intensify fire; oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep away from clothing and other combustible materials. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 In case of fire: Use ... to extinguish. – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.		P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**OXIDIZING SOLIDS
(CHAPTER 2.14)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Flame over circle</i>		Danger H271 May cause fire or explosion; strong oxidizer

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P220 Keep away from clothing and other combustible materials.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p> <p>P283 Wear fire resistant or flame retardant clothing.</p>	<p>P306 + P360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.</p> <p>P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.</p> <p>P370 + P378 In case of fire: Use ... to extinguish. – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ...in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**OXIDIZING SOLIDS
(CHAPTER 2.14)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2	<i>Flame over circle</i>	Danger	H272 May intensify fire; oxidizer
3	<i>Flame over circle</i>	Warning	H272 May intensify fire; oxidizer



Precautionary statements			
Prevention	Response	Storage	Disposal
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep away from clothing and other combustible materials. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P370 + P378 In case of fire: Use ... to extinguish. – <i>if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ORGANIC PEROXIDES
(CHAPTER 2.15)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
Type A	<u>Exploding bomb</u>		Danger H240 Heating may cause an explosion

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original container.</p> <p>P235 Keep cool. <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/ protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P372 + P380 + P373 In case of fire: Explosion risk. Evacuate area. DO NOT fight fire when fire reaches explosives.</p>	<p>P403 Store in a well-ventilated place. <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 Protect from sunlight.</p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>– if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ... Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

ORGANIC PEROXIDES
(CHAPTER 2.15)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
Type B	<i>Exploding bomb and Flame</i>	Danger	H241 Heating may cause a fire or explosion



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/ protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P380 + P375 [+ P378] In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. [Use...to extinguish] <i>– text in square brackets to be used if water increases risk.</i> ...Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 Protect from sunlight.</p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>– if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary.</i> ...Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

ORGANIC PEROXIDES
(CHAPTER 2.15)

Hazard category	<u>Symbol</u>		Signal word	Hazard statement	
Type C	<u>Flame</u>		Danger	H242	Heating may cause a fire
Type D	<u>Flame</u>		Danger	H242	Heating may cause a fire
Type E	<u>Flame</u>		Warning	H242	Heating may cause a fire
Type F	<u>Flame</u>		Warning	H242	Heating may cause a fire

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P234 Keep only in original packaging.</p> <p>P235 Keep cool. <i>– may be omitted if P411 is given on the label.</i></p> <p>P240 Ground and bond container and receiving equipment. <i>– if electrostatically sensitive and able to generate an explosive atmosphere.</i></p> <p>P280 Wear protective gloves/ protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.</p>	<p>P370 + P378 In case of fire: Use ... to extinguish. <i>– if water increases risk.</i> ... Manufacturer/supplier or the competent authority to specify appropriate media.</p>	<p>P403 Store in a well-ventilated place. <i>– except for temperature controlled self-reactive substances and mixtures or organic peroxides because condensation and consequent freezing may take place.</i></p> <p>P410 Protect from sunlight.</p> <p>P411 Store at temperatures not exceeding ...°C/...°F. <i>– if temperature control is required (according to section 2.8.2.3 or 2.15.2.3 of the GHS) or if otherwise deemed necessary....</i> Manufacturer/supplier or the competent authority to specify temperature using applicable temperature scale.</p> <p>P420 Store separately.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

CORROSIVE TO METALS

(CHAPTER 2.16)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Corrosion</i> 	Warning	H290 May be corrosive to metals

Precautionary statements			
Prevention	Response	Storage	Disposal
P234 Keep only in original packaging.	P390 Absorb spillage to prevent material damage.	P406 Store in a corrosion resistant/... container with a resistant inner liner. <i>– may be omitted if P234 is given on the label</i> ... Manufacturer/supplier or the competent authority to specify other compatible materials.	

DESENSITIZED EXPLOSIVES
(CHAPTER 2.17)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Flame</i>	Danger	H206 Fire, blast or projection hazard; increased risk of explosion if desensitizing agent is reduced
2	<i>Flame</i>	Danger	H207 Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced
3	<i>Flame</i>	Warning	H207 Fire or projection hazard; increased risk of explosion if desensitizing agent is reduced



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P212 Avoid heating under confinement or reduction of the desensitizing agent.</p> <p>P230 Keep wetted with... ...Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P233 Keep container tightly closed.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>	<p>P370+P380+P375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.</p>	<p>P401 Store in accordance with... ...Manufacturer/supplier or the competent authority to specify local/regional/ national/international regulations as applicable.</p>	<p>P501 Dispose of contents/containers to... ...in accordance with local/regional/national /international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**DESENSITIZED EXPLOSIVES
(CHAPTER 2.17)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
4	<i>Flame</i>	Warning	H208 Fire hazard; increased risk of explosion if desensitizing agent is reduced



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P212 Avoid heating under confinement or reduction of the desensitizing agent.</p> <p>P230 Keep wetted with... ...Manufacturer/supplier or the competent authority to specify appropriate material.</p> <p>P233 Keep container tightly closed.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>	<p>P371+P380+P375 In case of major fire and large quantities: Evacuate-area. Fight fire remotely due to the risk of explosion.</p>	<p>P401 Store in accordance with... ...Manufacturer/supplier or the competent authority to specify local/regional/ national/international regulations as applicable.</p>	<p>P501 Dispose of contents/containers to... ...in accordance with local/regional/national /international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ACUTE TOXICITY – ORAL
(CHAPTER 3.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement		
1	<i>Skull and crossbones</i>		Danger	H300	Fatal if swallowed
2	<i>Skull and crossbones</i>		Danger	H300	Fatal if swallowed
3	<i>Skull and crossbones</i>		<i>Danger</i>	<i>H301</i>	<i>Toxic if swallowed</i>

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash ...thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/... ... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see ... on this label) <i>– if immediate administration of antidote is required.</i> ... Reference to supplemental first aid instruction. P330 Rinse mouth.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ACUTE TOXICITY – ORAL
(CHAPTER 3.1)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
4	<u>Exclamation mark</u>	Warning	H302 Harmful if swallowed



Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P330 Rinse mouth.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.


**ACUTE TOXICITY – ORAL
(CHAPTER 3.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement	
5	<i>No symbol</i>	Warning	H303	May be harmful if swallowed

Precautionary statements			
Prevention	Response	Storage	Disposal
	<p><i>P301 + P312</i> <i>IF SWALLOWED:</i> Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p>		

ACUTE TOXICITY – DERMAL

(CHAPTER 3.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement		
1	<i>Skull and crossbones</i>		Danger	H310	Fatal in contact with skin
2	<i>Skull and crossbones</i>		Danger	H310	Fatal in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P262 Do not get in eyes, on skin, or on clothing.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) – <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ACUTE TOXICITY – DERMAL
(CHAPTER 3.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>Skull and crossbones</i>		Danger
			H311
			Toxic in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P280 Wear protective gloves/protective clothing. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) – if immediate measures such as specific cleansing agent is advised. ... Reference to supplemental first aid instruction.</p> <p>P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ACUTE TOXICITY – DERMAL
(CHAPTER 3.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
4	<i>Exclamation mark</i>	!	Warning H312 Harmful in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P280 Wear protective gloves/protective clothing Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) – <i>if immediate measures such as specific cleansing agent is advised.</i> ... Reference to supplemental first aid instruction.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**ACUTE TOXICITY – DERMAL
(CHAPTER 3.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
5	<i>No symbol</i>	Warning	H313 May be harmful in contact with skin

Precautionary statements			
Prevention	Response	Storage	Disposal
	<p><i>P302 + P312</i> <i>IF ON SKIN:</i> Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p>		

ACUTE TOXICITY – INHALATION

(CHAPTER 3.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Skull and crossbones</i>	Danger	Fatal if inhaled
2	<i>Skull and crossbones</i>	Danger	Fatal if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection. – <i>text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.</i> Manufacturer/supplier or the competent authority to specify equipment.</p>	<p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P320 Specific treatment is urgent (see ... on this label) – <i>if immediate administration of antidote is required.</i> ... Reference to supplemental first aid instruction.</p>	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. – <i>if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

ACUTE TOXICITY – INHALATION

(CHAPTER 3.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>Skull and crossbones</i>	Danger	H331 Toxic if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. – <i>may be omitted if P260 is given on the label</i></p> <p>Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p>	<p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P311 Call a POISON CENTER/doctor... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) – <i>if immediate specific measures are required.</i> ... Reference to supplemental first aid instruction.</p>	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. – <i>if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p>	<p>P501 Dispose of content/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

ACUTE TOXICITY – INHALATION

(CHAPTER 3.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
4	<i>Exclamation mark</i>	Warning	H332 Harmful if inhaled



Precautionary statements			
Prevention	Response	Storage	Disposal
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions. P271 Use only outdoors or in a well-ventilated area.	P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		


ACUTE TOXICITY – INHALATION

(CHAPTER 3.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
5	<i>No symbol</i>	Warning	H333 May be harmful if inhaled

Precautionary statements			
Prevention	Response	Storage	Disposal
	P304 + P312 IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		

SKIN CORROSION/IRRITATION
(CHAPTER 3.2)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1A to 1C	<i>Corrosion</i> 	Danger	H314 Causes severe skin burns and eye damage

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P260 Do not breathe dusts or mists. – if inhalable particles of dusts or mists may occur during use.</p> <p>P264 Wash ...thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. – text in square brackets to be included where the manufacturer/supplier or the competent authority considers it appropriate for the specific chemical.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**SKIN CORROSION/IRRITATION
(CHAPTER 3.2)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2	<i>Exclamation mark</i>	!	H315 Causes skin irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P264 Wash ... thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty water/... ... Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention. <i>– may be omitted when P333+P313 appears on the label</i> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		

SKIN CORROSION/IRRITATION

(CHAPTER 3.2)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>No symbol</i>	Warning	H316 Causes mild skin irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
	P332 + P313 If skin irritation occurs: Get medical advice/attention. <i>– may be omitted when P333+P313 appears on the label.</i> Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

**EYE DAMAGE/IRRITATION
(CHAPTER 3.3)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<i>Corrosion</i> 	Danger	H318 Causes serious eye damage

Precautionary statements			
Prevention	Response	Storage	Disposal
P280 Wear eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor/... Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.		

**EYE DAMAGE/IRRITATION
(CHAPTER 3.3)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2A	<i>Exclamation mark</i>	!	Warning H319 Causes serious eye irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P280 Wear eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

**EYE DAMAGE/IRRITATION
(CHAPTER 3.3)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2A	<i>Exclamation mark</i>		Warning
			H319 Causes serious eye irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P280 Wear eye protection/face protection. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		


EYE DAMAGE/IRRITATION

(CHAPTER 3.3)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2B	<i>No symbol</i>	Warning	H320 Causes eye irritation

Precautionary statements			
Prevention	Response	Storage	Disposal
P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		

**SENSITIZATION – RESPIRATORY
(CHAPTER 3.4)**

Hazard category	<u>Symbol</u>		Signal word	Hazard statement
1, 1A, 1B	<u>Health hazard</u>		Danger	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P284 [In case of inadequate ventilation] wear respiratory protection. <i>– text in square brackets may be used if additional information is provided with the chemical at the point of use that explains what type of ventilation would be adequate for safe use.</i> Manufacturer/supplier or the competent authority to specify equipment.</p>	<p>P304 + P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.</p> <p>P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p>		<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**SENSITIZATION – SKIN
(CHAPTER 3.4)**


Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1, 1A, 1B	<u>Exclamation mark</u>	Warning	H317 May cause an allergic skin reaction



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. <i>– may be omitted if P260 is given on the label</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves. Manufacturer/supplier or the competent authority may further specify type of equipment where appropriate.</p>	<p>P302 + P352 IF ON SKIN: Wash with plenty of water/... ...Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate, or may recommend an alternative agent in exceptional cases if water is clearly inappropriate.</p> <p>P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p> <p>P321 Specific treatment (see ... on this label) ... Reference to supplemental first aid instruction. Manufacturer/supplier or the competent authority may specify a cleansing agent if appropriate.</p> <p>P362 + P364 Take off contaminated clothing and wash it before reuse.</p>		<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**GERM CELL MUTAGENICITY
(CHAPTER 3.5)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<u>Health hazard</u>	Danger	H340 May cause genetic defects <...>
2	<u>Health hazard</u>	Warning	H341 Suspected of causing genetic defects <...>



<...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements			
Prevention	Response	Storage	Disposal
P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i> P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P308 + P313 IF exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**CARCINOGENICITY
(CHAPTER 3.6)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<u>Health hazard</u>	Danger	H350 May cause cancer <...>
2	<u>Health hazard</u>	Warning	H351 Suspected of causing cancer <...>



<...> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

Precautionary statements			
Prevention	Response	Storage	Disposal
P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i> P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P308 + P313 IF exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**REPRODUCTIVE TOXICITY
(CHAPTER 3.7)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<u>Health hazard</u>	Danger	H360 May damage fertility or the unborn child <...> <<...>>
2	<u>Health hazard</u>	Warning	H361 Suspected of damaging fertility or the unborn child <...> <<...>> <...> <i>state specific effect if known)</i> <<...>> <i>(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)</i>



Precautionary statements			
Prevention	Response	Storage	Disposal
P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i> P202 Do not handle until all safety precautions have been read and understood. P280 Wear protective gloves/protective clothing/eye protection/face protection. Manufacturer/supplier or the competent authority to specify the appropriate type of equipment.	P308 + P313 IF exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

REPRODUCTIVE TOXICITY

(CHAPTER 3.7)

(effects on or via lactation)

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
(additional)	<u>No symbol</u>	No signal word	H362 May cause harm to breast-fed children

Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P201 Obtain special instructions before use. <i>- omit for consumer products where P202 is used.</i></p> <p><u>P202</u> <u>Do not handle until all safety precautions have been read and understood.</u></p> <p>P260 Do not breathe dusts or mists. <i>- if inhalable particles of dusts or mists may occur during use.</i></p> <p>P263 Avoid contact during pregnancy and while nursing.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p>	<p>P308 + P313 IF exposed or concerned: Get medical advice/attention. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.</p>		

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(CHAPTER 3.8)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Health hazard</i>	Danger	H370 Causes damage to organs <...> <<...>> <...> (or state all organs affected if known) <<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements			
Prevention	Response	Storage	Disposal
P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. P264 Wash ...thoroughly after handling. ... Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P321 Specific treatment (see ... on this label) – if immediate measures are required. ... Reference to supplemental first aid instruction.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(CHAPTER 3.8)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2	<i>Health hazard</i>	Warning	H371 May cause damage to organs <...> <<...>> <...> (or state all organs affected, if known) <<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p>	<p>P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p>	<p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(CHAPTER 3.8)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
3	<i>Exclamation mark</i>	Warning	H335 May cause respiratory irritation; or H336 May cause drowsiness or dizziness



Precautionary statements			
Prevention	Response	Storage	Disposal
<p>P261 Avoid breathing dust/fume/gas/mist/vapours/spray. <i>– may be omitted if P260 is given on the label.</i> Manufacturer/supplier or the competent authority to specify applicable conditions.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p>	<p>P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor/...if you feel unwell. ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice.</p>	<p>P403 + P233 Store in a well-ventilated place. Keep container tightly closed. <i>– if the chemical is volatile and may generate a hazardous atmosphere.</i></p> <p>P405 Store locked up.</p>	<p>P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.</p>

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)
(CHAPTER 3.9)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<u>Health hazard</u>	Danger	H372 Causes damage to organs <...> through prolonged or repeated exposure <<...>> <...> (state all organs affected, if known) <<...>> ((state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements			
Prevention	Response	Storage	Disposal
P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions. P264 Wash ... thoroughly after handling. ...Manufacturer/supplier or the competent authority to specify parts of the body to be washed after handling. P270 Do not eat, drink or smoke when using this product.	P314 Get medical advice/attention if you feel unwell. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)
(CHAPTER 3.9)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2	<i>Health hazard</i>	Warning	H373 Causes damage to organs <...> through prolonged or repeated exposure <<...>> <...> (state all organs affected, if known) <<...>> (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)



Precautionary statements			
Prevention	Response	Storage	Disposal
P260 Do not breathe dust/fume/gas/mist/vapours/spray. Manufacturer/supplier or the competent authority to specify applicable conditions.	P314 Get medical advice/attention if you feel unwell. Manufacturer/supplier or the competent authority to select medical advice or attention as appropriate.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**ASPIRATION HAZARD
(CHAPTER 3.10)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<u>Health hazard</u>	Danger	H304 May be fatal if swallowed and enters airways
2	<u>Health hazard</u>	Warning	H305 May be harmful if swallowed and enters airways



Precautionary statements			
Prevention	Response	Storage	Disposal
	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/... ...Manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P331 Do NOT induce vomiting.	P405 Store locked up.	P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – SHORT-TERM (ACUTE) HAZARD
(CHAPTER 4.1)**

Hazard category	<u>Symbol</u>	Signal word	Hazard statement
1	<u>Environment</u> 	Warning	H400 Very toxic to aquatic life

Precautionary statements			
Prevention	Response	Storage	Disposal
P273 Avoid release to the environment. <i>– if this is not the intended use.</i>	P391 Collect spillage.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – SHORT-TERM (ACUTE) HAZARD
(CHAPTER 4.1)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
2	<i>No symbol</i>	<i>No signal word</i>	H401 Toxic to aquatic life
3	<i>No symbol</i>	<i>No signal word</i>	H402 Harmful to aquatic life
Precautionary statements			
Prevention	Response	Storage	Disposal
P273 Avoid release to the environment. <i>– if this is not the intended use.</i>			P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

HAZARDOUS TO THE AQUATIC ENVIRONMENT – LONG-TERM (CHRONIC) HAZARD

(CHAPTER 4.1)

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Environment</i>	Warning	H410 Very toxic to aquatic life with long lasting effects
2	<i>Environment</i>	No signal word	H411 Toxic to aquatic life with long lasting effects
Precautionary statements			
Prevention	Response	Storage	Disposal
P273 Avoid release to the environment. <i>– if this is not the intended use.</i>	P391 Collect spillage.		P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE AQUATIC ENVIRONMENT – LONG-TERM (CHRONIC) HAZARD
(CHAPTER 4.1)**

Hazard category	<i><u>Symbol</u></i>	Signal word	Hazard statement
3	<i><u>No symbol</u></i>	<i>No signal word</i>	H412 Harmful to aquatic life with long lasting effects
4	<i><u>No symbol</u></i>	<i>No signal word</i>	H413 May cause long lasting harmful effects to aquatic life

Precautionary statements			
Prevention	Response	Storage	Disposal
P273 Avoid release to the environment. <i>– if this is not the intended use.</i>			P501 Dispose of contents/container to... ... in accordance with local/regional/national/international regulations (to be specified). Manufacturer/supplier or the competent authority to specify whether disposal requirements apply to contents, container or both.

**HAZARDOUS TO THE OZONE LAYER
(CHAPTER 4.2)**

Hazard category	<i>Symbol</i>	Signal word	Hazard statement
1	<i>Exclamation mark</i>	!	Warning H420 Harms public health and the environment by destroying ozone in the upper atmosphere

Precautionary statements			
Prevention	Response	Storage	Disposal
			P502 Refer to manufacturer or supplier for information on recovery or recycling

