SAFETY DATA SHEET



Tankguard HB Classic Comp B

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier	
Product name	: Tankguard HB Classic Comp B
Product code	: 30383
Product description	: Hardener.
Product type	: Liquid.
Other means of identification	: Not available.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use in coatings - Industrial use Use in coatings - Professional use

1.3 Details of the supplier of the safety data sheet

Jotun A/S P.O.Box 2021 3202 Sandefjord	Jotun Paints (Europe) Ltd. Stather Road Flixborough, Scunthorpe	
Norway	North Lincolnshire	
Tel: + 47 33 45 70 00	DN15 8RR	
Fax: +47 33 45 72 42	England	
E-mail: SDSJotun@jotun.no		
	Tel: +44 17 24 40 00 00	
	Fax: +44 17 24 40 01 00	
1.4 Emergency telephone nu	ber	
National advisory body/Poi	on Centre	
Telephone number	: Contact NHS Direct; phone 0845 4647 or 111. Open 24/	7.

<u>Supplier</u>

Telephone number

: +47 33 45 70 00 Jotun Norway (head office)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to UK CLP/GHS

Flam. Liq. 3, H226 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Chronic 2, H411

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

SECTION 2: Hazards identification

Hazard pictograms	
Signal word	Danger.
Hazard statements	 H226 - Flammable liquid and vapour. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H335 - May cause respiratory irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements	
General	Not applicable.
Prevention	 P280 - Wear protective gloves, protective clothing and eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignitic sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
Response	 P391 - Collect spillage. P304 + P310 - IF INHALED: Immediately call a POISON CENTER or doctor. P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting. P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENT or doctor. P363 - Wash contaminated clothing before reuse. P302 + P352 - IF ON SKIN: Wash with plenty of water. P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention. P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for severa minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Not applicable.
Special packaging requirem	<u>its</u>
Containers to be fitted with child-resistant fastenings	Not applicable.
Tactile warning of danger	Not applicable.
.3 Other hazards	
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	This mixture does not contain any substances that are assessed to be a PBT or vPvB.
Other hazards which do not result in classification	None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures :	Mixture			
Product/ingredient name	Identifiers	%	Classification	Туре
Phenol, polymer with formaldehyde, glycidyl ether, polymers with [(methylphenoxy) methyl]oxirane and triethylenetetramine	EC: 620-324-1 CAS: 99377-78-3	≥50 - ≤75	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≥10 - ≤25	Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≤12	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	[1] [2]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	<10	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
cyclohexanamine, 4,4'- methylenebis-	REACH #: 01-2119541673-38 EC: 217-168-8 CAS: 1761-71-3	≤6.2	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 STOT RE 2, H373 (liver)	[1]
3,6-diazaoctanethylenediamin	REACH #: 01-2119487919-13 EC: 203-950-6 CAS: 112-24-3	≤6.2	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1]
			See Section 16 for the full text of the H statements declared above.	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures		
Eye contact	Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes Chemical burns must be treated promptly by a physician.	
Inhalation	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mass or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
Skin contact	Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure Wash clothing before reuse. Clean shoes thoroughly before reuse.	
Ingestion	Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms Eye contact : Adverse symptoms may include the following: pain watering redness Inhalation : Adverse symptoms may include the following: respiratory tract irritation coughing Skin contact : Adverse symptoms may include the following: respiratory tract irritation coughing

- Skin contact
 : Adverse symptoms may include the following: pain or irritation redness blistering may occur

 Ingestion
 : Adverse symptoms may include the following: stomach pains
- stomach pains

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

SECTION 4: First aid measures

See toxicological information (Section 11)

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media	: Recommended: alcohol-resistant foam, CO ₂ , powders, water spray.	
Unsuitable extinguishing media	: Do not use water jet.	
5.2 Special hazards arising	om the substance or mixture	
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion haz In a fire or if heated, a pressure increase will occur and the container may burst the risk of a subsequent explosion. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained an prevented from being discharged to any waterway, sewer or drain.	t, with g
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides	
5.3 Advice for firefighters		
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incide there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk Use water spray to keep fire-exposed containers cool.	
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.)

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures		
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and material for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 6: Accidental release measures

Large spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see Section 1 for emergency contact information and Section 12 for waste disposal
6.4 Reference to other sections	 emergency contact information and Section 13 for waste disposal. See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds

Danger criteria		
Category	Notification and MAPP threshold	Safety report threshold
P5c E2	5000 tonne 200 tonne	50000 tonne 500 tonne

See Technical Data Sheet / packaging for further information.

7.3 Specific end use(s) Recommendations

- : Not available.
- Industrial sector specific : solutions
- : Not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
x ylene	EH40/2005 WELs (United Kingdom (UK), 1/2020). [xylene, o-,m-,
	p- or mixed isomers] Absorbed through skin.
	STEL: 441 mg/m ³ 15 minutes.
	STEL: 100 ppm 15 minutes.
	TWA: 220 mg/m ³ 8 hours.
	TWA: 50 ppm 8 hours.
butan-1-ol	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 154 mg/m ³ 15 minutes.
	STEL: 50 ppm 15 minutes.
ethylbenzene	EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
	through skin.
	STEL: 552 mg/m ³ 15 minutes.
	STEL: 125 ppm 15 minutes.
	TWA: 100 ppm 8 hours.
	TWA: 441 mg/m ³ 8 hours.

Biological exposure indices

Product/ingredient name	Exposure indices
xylene	EH40/2005 BMGVs (United Kingdom (UK), 8/2018) [Xylene, o-, m-, p- or mixed isomers] BGV: 650 mmol/mol creatinine, methyl hippuric acid [in urine]. Sampling time: post shift.
Recommended monitoring : Reference should be made to appropriate monitoring standards. Reference to	

Recommended monitoring : Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
xylene	DNEL	Long term Oral	5 mg/kg	General	Systemic
-		Ū	bw/day	population	
	DNEL	Long term	65.3 mg/m ³	General	Local
		Inhalation	Ũ	population	
	DNEL	Long term	65.3 mg/m ³		Systemic
		Inhalation	Ũ	population	,
	DNEL	Long term Dermal	125 mg/kg	General	Systemic
		U U	bw/day	population	,
	DNEL	Long term Dermal	212 mg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	221 mg/m ³	Workers	Local
		Inhalation	Ū		
	DNEL	Long term	221 mg/m ³	Workers	Systemic
		Inhalation	Ū		
	DNEL	Short term	260 mg/m ³	General	Local
		Inhalation	_	population	
	DNEL	Short term	260 mg/m ³	General	Systemic
		Inhalation	Ū	population	
	DNEL	Short term	442 mg/m ³	Workers	Local
		Inhalation	Ū		
	DNEL	Short term	442 mg/m ³	Workers	Systemic
		Inhalation	_		-
butan-1-ol	DNEL	Long term Oral	1.5625 mg/	General	Systemic
		Ŭ	kg bw/day	population	,
	DNEL	Long term Dermal	3.125 mg/	General	Systemic
			kg bw/day	population	-
	DNEL	Long term	55.357 mg/	General	Systemic
		Inhalation	m³	population	

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	DNEL	Long term	155 mg/m³	General	Local
		Inhalation	100 mg/m	population	Loodi
			210 mg/m^3		
	DNEL	Long term Inhalation	310 mg/m ³	Workers	Local
athylhanzana			112 malm3	Workers	
ethylbenzene	DMEL	Long term	442 mg/m ³	Workers	Local
		Inhalation	001	Morkers	Suptami-
	DMEL	Short term	884 mg/m³	Workers	Systemic
		Inhalation	1.0	Conoral	Cureta and
	DNEL	Long term Oral	1.6 mg/kg	General	Systemic
			bw/day	population	
	DNEL	Long term	15 mg/m³	General	Systemic
		Inhalation	()	population	
	DNEL	Long term	77 mg/m³	Workers	Systemic
		Inhalation	400		Questions
	DNEL	Long term Dermal	180 mg/kg	Workers	Systemic
	D		bw/day	NA7 1	
	DNEL	Short term	293 mg/m ³	Workers	Local
		Inhalation			
cyclohexanamine, 4,4'-methylenebis-	DNEL	Short term Dermal	0.63 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Short term	1.5 mg/m³	Workers	Systemic
		Inhalation			
	DNEL	Long term Dermal	0.21 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Long term	0.5 mg/m ³	Workers	Systemic
		Inhalation			
	DNEL	Long term Dermal	0.125 mg/	Workers	Systemic
			kg bw/day	• ·	
	DNEL	Long term Oral	0.125 mg/	General	Systemic
			kg bw/day	population	
		.		[Consumers]	
	DNEL	Long term Dermal	0.053 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Long term	0.13 mg/m ³	Workers	Systemic
		Inhalation			
3,6-diazaoctanethylenediamin	DNEL	Short term	5380 mg/	Workers	Systemic
		Inhalation	m ³		
	DNEL	Long term Dermal	0.57 mg/	Workers	Systemic
		1	kg bw/day		
	DNEL	Long term	1 mg/m³	Workers	Systemic
		Inhalation	0.000 (
	DNEL	Long term Dermal	0.028 mg/	Workers	Local
			cm²	0	Question
	DNEL	Short term Dermal	8 mg/kg	General	Systemic
			bw/day	population	
		Ob and the second	1000	[Consumers]	Question
	DNEL	Short term	1600 mg/	General	Systemic
		Inhalation	m³	population	
			00	[Consumers]	
	DNEL	Short term Oral	20 mg/kg	General	Systemic
			bw/day	population	
	D.V		4	[Consumers]	
	DNEL	Short term Dermal	1 mg/cm ²	General	Local
				population	
			0.05 ·	[Consumers]	
	DNEL	Long term Dermal	0.25 mg/	General	Systemic
			kg bw/day	population	
				[Consumers]	
	DNEL	Long term	0.29 mg/m ³	General	Systemic
		Inhalation		population	
				[Consumers]	
		Long term Oral	0.41 mg/	General	Systemic
	DNEL	Long term oral			
	DNEL		kg bw/day	population	
	DNEL			population [Consumers]	

SECTION 8: Exposure controls/personal protection

	personal prote			
DNEL	Long term Dermal	0.43 mg/	General	Local
		cm²	population	
			[Consumers]	
DNEL	Long term Dermal	28 µg/cm ²	Workers	Local
DNEL	Long term Dermal	0.25 mg/	General	Systemic
		kg bw/day	population	
DNEL	Long term	0.29 mg/m ³	General	Systemic
	Inhalation		population	
DNEL	Long term Oral	0.41 mg/	General	Systemic
		kg bw/day	population	
DNEL	Long term Dermal	0.43 mg/	General	Local
		Cm ²	population	
DNEL	Long term Dermal	0.57 mg/	Workers	Systemic
		kg bw/day		
DNEL	Short term Dermal	1 mg/cm ²	General	Local
			population	
DNEL	U U	1 mg/m³	Workers	Systemic
	Inhalation			
DNEL	Short term Dermal	8 mg/kg	General	Systemic
		bw/day	population	
DNEL	Short term Oral	20 mg/kg	General	Systemic
		bw/day	population	
DNEL		1600 mg/	General	Systemic
	Inhalation	m ³	population	
DNEL		5380 mg/	Workers	Systemic
	Inhalation	m³		

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
xylene	Fresh water	0.327 mg/l	-
	Marine	0.327 mg/l	-
	Sewage Treatment	6.58 mg/l	-
	Plant		
	Fresh water sediment	12.46 mg/kg dwt	-
	Marine water sediment	12.46 mg/kg dwt	-
	Soil	2.31 mg/kg dwt	-
butan-1-ol	Fresh water	0.082 mg/l	-
	Marine	0.0082 mg/l	-
	Sewage Treatment	2476 mg/l	-
	Plant	Ŭ	
	Fresh water sediment	0.178 mg/kg dwt	-
	Marine water sediment	0.0178 mg/kg dwt	-
	Soil	0.015 mg/kg dwt	-
ethylbenzene	Fresh water	0.1 mg/l	-
5	Marine	0.01 mg/l	-
	Sewage Treatment	9.6 mg/l	-
	Plant	- J.	
	Fresh water sediment	13.7 mg/kg dwt	-
	Soil	2.68 mg/kg dwt	-
	Secondary Poisoning	20 mg/kg	-
cyclohexanamine, 4,4'-methylenebis-	Fresh water	0.008 mg/l	-
- yyy	Marine	0.0008 mg/l	-
	Sewage Treatment	80 mg/l	-
	Plant	<u>-</u>	
	Fresh water sediment	0.39 mg/kg dwt	-
	Marine water sediment	0.039 mg/kg dwt	-
	Soil	0.072 mg/kg dwt	-
3,6-diazaoctanethylenediamin	Fresh water	190 µg/l	_
	Marine	38 µg/l	-
	Sewage Treatment	4.25 mg/l	-
	Plant	og/i	
	Fresh water sediment	95.9 mg/kg dwt	-
	Marine water sediment	19.2 mg/kg dwt	-
e of issue/Date of revision : 05.04.2024	4 Date of previous issue	: 21.04.2023	Version : 1.03

SECTION 8: Exposure controls/personal protection						
	Soil	19.1 mg/kg dwt	-			
	Secondary Poisoning	0.18 mg/kg	-			

8.2 Exposure controls		
Appropriate engineering controls	:	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection meas	ures	
Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	:	Safety eyewear complying to ISO 16321-1:2022 should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
Older weeks of the s		

Skin protection

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves

Wear suitable gloves tested to ISO 374-1:2016.

Recommended, gloves(breakthrough time) > 8 hours: polyvinyl alcohol (PVA) (> 0.3 mm), 4H/Silver Shield® (> 0.07 mm), Teflon (> 0.35 mm), nitrile rubber (> 0.75 mm)

May be used, gloves(breakthrough time) 4 - 8 hours: neoprene (> 0.35 mm), butyl rubber (> 0.4 mm), Viton® (> 0.7 mm), PVC (> 0.5 mm)

For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Body protection	: Use chemical-resistant protective suit / disposable overall.
	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
Other skin protection	: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

SECTION 8: Exposure controls/personal protection

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Respiratory protection	: If workers are exposed to concentrations above the exposure limit, they must use a respirator according to EN 140. Use respiratory mask with charcoal and dust filter when spraying this product, according to EN 14387 (as filter combination A2-P2). In confined spaces, use compressed-air or fresh-air respiratory equipment. When use of roller or brush, consider use of charcoalfilter.
Environmental exposure controls	: Do not allow to enter drains or watercourses.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>	
Physical state	: Liquid.
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: Not applicable.
Melting point/freezing point	: Not applicable.
Initial boiling point and boiling range	: Lowest known value: 119°C (246.2°F) (butan-1-ol). Weighted average: 171.13°C (340°F)
Flammability	: Not applicable.
Upper/lower flammability or explosive limits	: 0.8 - 11.3%
Flash point	: Closed cup: 23°C (73.4°F)
Auto-ignition temperature	: Lowest known value: 300°C (572°F) (cyclohexanamine, 4,4'-methylenebis-).
Decomposition temperature	: Not available.
рН	Not applicable.
Viscosity	: Kinematic (40°C): >20.5 mm²/s
Solubility(ies)	

Solubility(ies)

Media		Result
old water hot water		Not soluble Not soluble
Partition coefficient: n-octanol/ water	: 1	Not available.
Vapour pressure		Highest known value: 1.2 kPa (9.3 mm Hg) (at 20°C) (ethylbenzene). Weighted average: 0.71 kPa (5.33 mm Hg) (at 20°C)
Evaporation rate		Highest known value: 0.84 (ethylbenzene) Weighted average: 0.67compared with butyl acetate
Density	: 1	1.01 g/cm ³
Vapour density		Highest known value: 5.04 (Air = 1) (3,6-diazaoctanethylenediamin). Weighted average: 3.58 (Air = 1)
Explosive properties	: 1	Not available.
Oxidising properties	: 1	Not available.
Particle characteristics		
Median particle size	: 1	Not applicable.

9.2 Other information

No additional information.

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredi	ients.
10.2 Chemical stability	Stable under recommended storage and handling conditions (see Section 7).	
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occu	Jr.
10.4 Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products.	
10.5 Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions oxidising agents, strong alkalis, strong acids.	3:
10.6 Hazardous decomposition products	Decomposition products may include the following materials: carbon monoxide carbon dioxide, smoke, oxides of nitrogen.	Э,

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
x ylene	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
butan-1-ol	LD50 Oral	Rat	790 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat - Male	11 mg/l	4 hours
-	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
3,6-diazaoctanethylenediamin	LD50 Oral	Mouse	1600 mg/kg	-
-	LD50 Oral	Mouse	38.5 mg/kg	-

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Ankguard HB Classic Comp B	2500	5500.0	N/A	55.0	N/A
xylene	4300	1100	N/A	11	N/A
butan-1-ol	500	N/A	N/A	N/A	N/A
ethylbenzene	3500	N/A	N/A	11	N/A
cyclohexanamine, 4,4'-methylenebis-	500	N/A	N/A	N/A	N/A
3,6-diazaoctanethylenediamin	500	1100	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Phenol, polymer with	Eyes - Mild irritant	Mammal -	-	-	-
formaldehyde, glycidyl ether,	-	species			
polymers with [unspecified			
(methylphenoxy)methyl]					
oxirane and					
triethylenetetramine					
-	Skin - Mild irritant	Mammal -	-	-	-
		species			
		unspecified			
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60	-
				microliters	
cyclohexanamine, 4,4'-	Eyes - Severe irritant	Rabbit	-	24 hours 10	-
methylenebis-				microliters	
3,6-diazaoctanethylenediamin	Eyes - Moderate irritant	Rabbit	-	24 hours 20	-
				milligrams	
	Eyes - Severe irritant	Rabbit	-	49 milligrams	-
	Skin - Severe irritant	Rabbit	-	490	-
				milligrams	
	Skin - Severe irritant	Rabbit	-	24 hours 5	-

Tankguard HB Classic Comp B

SECTION 11: Toxicological information

milligrams

Product/ingredient name	Route of exposure	Species	Result
Phenol, polymer with ormaldehyde, glycidyl ether, oolymers with [methylphenoxy)methyl] oxirane and riethylenetetramine	skin	Mammal - species unspecified	Sensitising
cyclohexanamine, 4,4'- methylenebis-	skin	Mammal - species unspecified	Sensitising
3,6-diazaoctanethylenediamin	skin	Mammal - species unspecified	Sensitising

Mutagenicity

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

Developmental effects

- No known significant effects or critical hazards.No known significant effects or critical hazards.
- Fertility effects Teratogenicity

No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
butan-1-ol	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
ethylbenzene	Category 2		hearing organs
cyclohexanamine, 4,4'-methylenebis-	Category 2		liver

Aspiration hazard

Product/ingredient name	Result
xylene	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1

Potential acute health effects

Eye contact	: Causes serious eye damage.		
Inhalation	: May cause respiratory irritation.		
Skin contact	: Causes severe burns. May cause an allergic skin reaction.		
Ingestion	: No known significant effects or critical hazards.		
Symptoms related to the phy	vsical, chemical and toxicological characteristics		
Eye contact	: Adverse symptoms may include the following: pain watering redness		

Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Other information	: None identified.

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

Product/ingredient name	Result	Species	Exposure
Phenol, polymer with formaldehyde, glycidyl ether, polymers with [(methylphenoxy)methyl] oxirane and triethylenetetramine	Acute LC50 9 mg/l	Fish	96 hours
xylene	Acute LC50 8500 μg/l Marine water	Crustaceans - Daggerblade grass shrimp - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
ethylbenzene	Acute EC50 7700 μg/l Marine water	Algae - Diatom - Skeletonema costatum	96 hours
	Acute EC50 2.93 mg/l	Daphnia	48 hours
	Acute LC50 4.2 mg/l	Fish	96 hours
cyclohexanamine, 4,4'- methylenebis-	Acute EC50 6.84 mg/l	Daphnia	48 hours
	Acute IC50 140 mg/l	Algae	72 hours
	Acute LC50 46 mg/l	Fish	96 hours
3,6-diazaoctanethylenediamin	Acute LC50 33900 μg/l Fresh water	Daphnia - Water flea - Daphnia magna	48 hours

Conclusion/Summary : This material is toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Conclusion/Summary

: Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
kylene ethylbenzene cyclohexanamine, 4,4'- methylenebis-	- - -	-	Readily Readily Not readily
3,6-diazaoctanethylenediamin	-	-	Not readily

12.3 Bioaccumulative potential

SECTION 12: Ecological information

SECTION 12: Ecological mormation				
Product/ingredient name	LogPow	BCF	Potential	
x ylene	3.12	8.1 to 25.9	low	
butan-1-ol	1	-	low	
ethylbenzene	3.6	-	low	
cyclohexanamine, 4,4'- methylenebis-	2.03	-	low	
3,6-diazaoctanethylenediamir	-1.66 to -1.4	-	low	

12.4 Mobility in soil	
Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Yes.
Monto entelemun	

Waste	cata	logue

Waste code	Waste designation
08 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances
Packaging	

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging		Waste catalogue
CEPE Guidelines	15 01 10*	packaging containing residues of or contaminated by hazardous substances
Special precautions	taken when Empty conta residues ma container. I thoroughly in	al and its container must be disposed of in a safe way. Care should be handling emptied containers that have not been cleaned or rinsed out. ainers or liners may retain some product residues. Vapour from product ay create a highly flammable or explosive atmosphere inside the Do not cut, weld or grind used containers unless they have been cleaned internally. Avoid dispersal of spilt material and runoff and contact with ays, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN2734	UN2734	UN2734	UN2734
14.2 UN proper shipping name	Polyamines, liquid, corrosive, flammable, n.o.s. (cyclohexanamine, 4,4'-methylenebis-, xylene)	Polyamines, liquid, corrosive, flammable, n.o.s. (cyclohexanamine, 4,4'-methylenebis-, xylene)	Polyamines, liquid, corrosive, flammable, n.o.s. (cyclohexanamine, 4,4'-methylenebis-, xylene). Marine pollutant (Phenol, polymer with formaldehyde, glycidyl ether, polymers with [(methylphenoxy) methyl]oxirane and triethylenetetramine)	Polyamines, liquid, corrosive, flammable n.o.s. (cyclohexanamine, 4,4'-methylenebis-, xylene)
14.3 Transport hazard class(es)	8 (3)	8 (3)	8 (3)	8 (3)
14.4 Packing group	II	11	11	11
14.5 Environmental hazards	Yes.	Yes.	Yes.	Yes. The environmentally hazardous substance mark is not required.

Additional information		
ADR/RID	:	The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. <u>Hazard identification number</u> 83 <u>Tunnel code</u> (D/E)
ADN	;	The environmentally hazardous substance mark is not required when transported in sizes of $\leq 5 \text{ L}$ or $\leq 5 \text{ kg}$.
IMDG	;	The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. Emergency schedules F-E, S-C
		Segregation Group: 18 - Alkalis
ΙΑΤΑ	:	The environmentally hazardous substance mark may appear if required by other transportation regulations.
14.6 Special precautions for user	:	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
14.7 Transport in bulk according to IMO instruments	:	Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture **UK (GB)/REACH**

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Not listed.

Persistent Organic Pollutants Not listed.

Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety ssessment This product contains substances for which Chemical Safety Assessments are still required.						
E2 EU regulations Industrial emissions : Not listed (integrated pollution prevention and control) - Air Industrial emissions : Not listed (integrated pollution prevention and control) - Water International regulations Chemical Weapon Convention List Schedules I. II & III Chemicals Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. S.2 Chemical safety sessesment : This product contains substances for which Chemical Safety Assessments are still required.	Category					
Industrial emissions : Not listed (integrated pollution prevention and control) - Air Industrial emissions : Not listed (integrated pollution prevention and control) - Water International regulations Chemical Weapon Convention List Schedules I. II & III Chemicals Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Stockholm Convention on Prior Informed Consent (PIC) Not listed. Rotterdam Convention on POPs and Heavy Metals Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety seessment : This product contains substances for which Chemical Safety Assessments are still required.	-					
(integrated pollution prevention and control) - Air Industrial emissions : Not listed (integrated pollution prevention and control) - Water International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	EU regulations					
(integrated pollution prevention and control) - Water International regulations Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Stockholm Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety ssessment : This product contains substances for which Chemical Safety Assessments are still required.	(integrated pollution prevention and control) -	: Not listed				
Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety ssessment This product contains substances for which Chemical Safety Assessments are still required.	(integrated pollution prevention and control) -	: Not listed				
Not listed. Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	International regulations					
Montreal Protocol Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety * This product contains substances for which Chemical Safety Assessments are still required.	Chemical Weapon Convent	ion List Schedu	<u>ıles I, II & III Chemica</u>	<u>ls</u>		
Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	Not listed.					
Not listed. Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	Montreal Protocol					
Stockholm Convention on Persistent Organic Pollutants Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety equired.						
Not listed. Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.						
Rotterdam Convention on Prior Informed Consent (PIC) Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety issessment : This product contains substances for which Chemical Safety Assessments are still required.		<u>Persistent Orga</u>	nic Pollutants			
Not listed. UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	Not listed.					
UNECE Aarhus Protocol on POPs and Heavy Metals Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	Rotterdam Convention on I	Prior Informed (<u>Consent (PIC)</u>			
Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	Not listed.					
Not listed. 5.2 Chemical safety : This product contains substances for which Chemical Safety Assessments are still required.	LINECE Aarbus Protocol on	POPs and Hoa	wy Motale			
5.2 Chemical safety issessment : This product contains substances for which Chemical Safety Assessments are still required.		in or s and nea	<u>vy metais</u>			
issessment required.						
Pate of issue/Date of revision : 05.04.2024 Date of previous issue : 21.04.2023 Version : 1.03 17/19	5.2 Chemical safety assessment		t contains substances	for which Chemical Sa	fety Assessments are	e still
	Date of issue/Date of revision	:05.04.2024	Date of previous issue	: 21.04.2023	Version : 1.03	17/19

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms	 ATE = Acute Toxicity Estimate GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EUH statement = GB CLP-specific Hazard statement N/A = Not available PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number SGG = Segregation Group
	•

Procedure used to derive the classification

Classification	Justification	
Flam. Liq. 3, H226	On basis of test data	
Skin Corr. 1B, H314	Calculation method	
Eye Dam. 1, H318	Calculation method	
Skin Sens. 1, H317	Calculation method	
STOT SE 3, H335	Calculation method	
Aquatic Chronic 2, H411	Calculation method	

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications

SECTION 16: Other information

Version

: 1.03

Notice to reader

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.