

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

1.1 Product identifier	
Product name	: Tankguard Flexline Comp B
UFI	: J42J-P361-R007-C7FK
Product code	: 39743
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 Norway

Tel: + 47 33 45 70 00 Fax: +47 33 45 72 42 E-mail: SDSJotun@jotun.no

1.4 Emergency telephone number

Norwegian National Poison Centre: +47 22 59 13 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EC) No. 1272/2008 [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 Regulation (EC) 1272/2008 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

Hazard pictograms



SECTION 2: Hazards identification

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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	4	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 ignition 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 CENTER 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 several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
Storage	1	P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
Disposal	1	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	:	bisphenol f epoxide resin adduct with 1,2-diaminocyclohexane xylene butan-1-ol 1,2-cyclohexanediamine m-xylene-alpha,alpha'-diamine
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	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Not applicable.
2.3 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 a vPvB.
Other hazards which do not result in classification	:	None known.

SECTION 3: Composition/information on ingredients

.2 Mixtures : Mixture							
Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре		
bisphenol f epoxide resin adduct with 1,2-diaminocyclohexane	CAS: 168612-07-5	≥50 - ≤75	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317	-	[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	ATE [Dermal] = 1100 mg/kg ATE [Inhalation (vapours)] = 20 mg/ I	[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	ATE [Inhalation (vapours)] = 17.8 mg/l	[1] [2]		
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine)	REACH #: Polymer EC: 500-137-0 CAS: 57214-10-5	≤10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]		
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≤10	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	ATE [Oral] = 500 mg/kg	[1] [2]		
1,2-cyclohexanediamine	REACH #: 01-2119976312-37 EC: 211-776-7 CAS: 694-83-7	≤5	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317	-	[1]		
m-xylene-alpha,alpha'- diamine	REACH #: 01-2119480150-50 EC: 216-032-5 CAS: 1477-55-0	≤5	Acute Tox. 4, H302 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 980 mg/kg ATE [Inhalation (vapours)] = 11 mg/ I	[1] [2]		

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. <u>Type</u>

SECTION 3: Composition/information on ingredients

[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 m	easures
General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains bisphenol f epoxide resin adduct with 1,2-diaminocyclohexane, 1,2-cyclohexanediamine, m-xylene-alpha, alpha'-diamine. May produce an allergic reaction.

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: pain or irritation redness blistering may occur	
Ingestion	: Adverse symptoms may include the following: stomach pains	
Date of issue/Date of revision	: 24.03.2023 Date of previous issue : 23.03.2023 Version : 1.0	1

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SECTION 4: First aid measures

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.

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 f	ron	the substance or mixture			
Hazards from the substance or mixture	:	Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.			
Hazardous combustion products	:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.			
5.3 Advice for firefighters					
Special protective actions for fire-fighters	:	Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.			
Special protective	:	Appropriate breathing apparatus may be required.			

SECTION 6: Accidental release measures

equipment for fire-fighters

6.1 Personal precautions, pro	te	ctive equipment and emergency procedures
For non-emergency personnel	:	Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
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	:	Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.
6.3 Methods and material for containment and cleaning up	:	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). Preferably clean with a detergent. Avoid using solvents.
6.4 Reference to other sections	:	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.

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

Tankguard Flexline Comp B

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

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

Information on fire and explosion protection

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraving process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Seveso Directive - Reporting thresholds

Danger criteria

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

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Exposure limit values
xylene	FOR-2011-12-06-1358 (Norway, 6/2021). Absorbed through
-	skin. Notes: H E
	TWA: 108 mg/m ³ 8 hours.
	TWA: 25 ppm 8 hours.
ethylbenzene	FOR-2011-12-06-1358 (Norway, 6/2021). Absorbed through
•	skin. Notes: H K E
	TWA: 5 ppm 8 hours.
	TWA: 20 mg/m ³ 8 hours.
butan-1-ol	FOR-2011-12-06-1358 (Norway, 6/2021). Absorbed through
	skin. Notes: H T
	CEIL: 75 mg/m ³
	CEIL: 25 ppm
m-xylene-alpha,alpha'-diamine	FOR-2011-12-06-1358 (Norway, 6/2021).
• • •	CEIL: 0.1 mg/m ³

procedures

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

NEL NEL NEL NEL NEL NEL NEL	Long term Inhalation Short term Inhalation Short term Inhalation Long term Inhalation Long term Oral Long term Dermal Long term Dermal Long term	65.3 mg/m ³ 260 mg/m ³ 260 mg/m ³ 221 mg/m ³ 12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day 221 mg/m ³	population General population General population Workers General population General population General population Workers	Local Local Systemic Local Systemic Systemic Systemic Systemic Systemic
NEL NEL NEL NEL NEL	Short term Inhalation Short term Inhalation Long term Inhalation Long term Oral Long term Dermal Long term Dermal Long term Dermal	260 mg/m ³ 221 mg/m ³ 12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	General population General population Workers General population General population General population Workers	Systemic Local Systemic Systemic Systemic Systemic
NEL NEL NEL NEL NEL	Inhalation Short term Inhalation Long term Inhalation Long term Oral Long term Dermal Long term Dermal Long term Dermal	260 mg/m ³ 221 mg/m ³ 12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	population General population Workers General population General population Workers	Systemic Local Systemic Systemic Systemic Systemic
NEL NEL NEL NEL NEL	Short term Inhalation Long term Inhalation Long term Oral Long term Inhalation Long term Dermal Long term Dermal Long term	260 mg/m ³ 221 mg/m ³ 12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	General population Workers General population General population General population Workers	Local Systemic Systemic Systemic Systemic
NEL NEL NEL NEL NEL	Inhalation Long term Inhalation Long term Oral Long term Inhalation Long term Dermal Long term Dermal Long term	221 mg/m ³ 12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	population Workers General population General population General population Workers	Local Systemic Systemic Systemic Systemic
NEL NEL NEL NEL	Long term Inhalation Long term Oral Long term Inhalation Long term Dermal Long term Dermal Long term	12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	Workers General population General population General population Workers	Systemic Systemic Systemic Systemic
NEL NEL NEL NEL	Inhalation Long term Oral Long term Inhalation Long term Dermal Long term Dermal Long term	12.5 mg/ kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	General population General population General population Workers	Systemic Systemic Systemic Systemic
NEL NEL NEL	Long term Oral Long term Inhalation Long term Dermal Long term Dermal Long term	kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	population General population General population Workers	Systemic Systemic Systemic
NEL NEL NEL	Long term Inhalation Long term Dermal Long term Dermal Long term	kg bw/day 65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	population General population General population Workers	Systemic Systemic Systemic
NEL NEL	Long term Inhalation Long term Dermal Long term Dermal Long term	65.3 mg/m ³ 125 mg/kg bw/day 212 mg/kg bw/day	General population General population Workers	Systemic Systemic Systemic
NEL NEL	Inhalation Long term Dermal Long term Dermal Long term	125 mg/kg bw/day 212 mg/kg bw/day	population General population Workers	Systemic Systemic
NEL	Long term Dermal Long term Dermal Long term	125 mg/kg bw/day 212 mg/kg bw/day	population General population Workers	Systemic
NEL	Long term Dermal	bw/day 212 mg/kg bw/day	population Workers	Systemic
NEL	Long term	212 mg/kg bw/day	Workers	-
NEL	Long term	bw/day		-
		bw/day	Workers	Systemic
		221 mg/m ³	Workers	Systemic
	Inhalation	-		
	Inniaidation			
NEL	Short term	442 mg/m ³	Workers	Local
	Inhalation	-		
NEL	Short term	442 mg/m ³	Workers	Systemic
	Inhalation	-		
NEL	Long term Oral	1.6 mg/kg	General	Systemic
		bw/day	population	
NEL	Long term	15 mg/m ³	General	Systemic
	Inhalation	Ū	population	
NEL	Long term	77 mg/m³	Workers	Systemic
	Inhalation	Ŭ		
NEL	Long term Dermal	180 mg/kg	Workers	Systemic
		bw/day		
NEL	Short term	293 mg/m ³	Workers	Local
	Inhalation	Ū		
)	DNEL DNEL DNEL	Inhalation NEL Long term Inhalation NEL Long term Dermal	NELLong term15 mg/m³InhalationInhalation77 mg/m³InhalationInhalation77 mg/m³InhalationInhalation180 mg/kgINELLong term Dermal180 mg/kgINELShort term293 mg/m³	NELLong term15 mg/m³General populationInhalation77 mg/m³WorkersInhalation77 mg/m³WorkersInhalation180 mg/kgWorkersINELLong term Dermal180 mg/kgWorkersINELShort term293 mg/m³Workers

	-	•			
	DMEL	Long term	442 mg/m ³	Workers	Local
		Inhalation			
	DMEL	Short term	884 mg/m³	Workers	Systemic
hutan 4 al		Inhalation	1 5005 mm	Comercel	Curatamia
butan-1-ol	DNEL	Long term Oral	1.5625 mg/	General	Systemic
	DNEL	Long term Dermal	kg bw/day 3.125 mg/	population General	Systemic
	DINEL	Long term Derma	kg bw/day	population	Systemic
	DNEL	Long term	55.357 mg/	General	Systemic
		Inhalation	m ³	population	Cysternic
	DNEL	Long term	155 mg/m ³	General	Local
		Inhalation		population	
	DNEL	Long term	310 mg/m ³	Workers	Local
		Inhalation	U		
1,2-cyclohexanediamine	DNEL	Long term	0.125 mg/	General	Local
		Inhalation	m³	population	
	DNEL	Short term	0.25 mg/m ³	General	Local
		Inhalation		population	
	DNEL	Long term	0.25 mg/m ³	Workers	Local
		Inhalation			
	DNEL	Short term	0.5 mg/m³	Workers	Local
		Inhalation		a .	
	DNEL	Long term Oral	0.75 mg/	General	Systemic
		Long torm Dormal	kg bw/day	population	Svotomia
	DNEL	Long term Dermal	0.75 mg/	General	Systemic
	DNEL	Long term Dermal	kg bw/day 1.5 mg/kg	population Workers	Systemic
		Long term Derma	bw/day	VVUINCIS	Systemic
m-xylene-alpha,alpha'-diamine	DNEL	Long term	0.2 mg/m ³	Workers	Local
		Inhalation	5.2 mg/m		Looa
	DNEL	Long term Dermal	0.33 mg/	Workers	Systemic
			kg bw/day		,
	DNEL	Long term	1.2 mg/m ³	Workers	Systemic
		Inhalation	Ŭ		-

PNECs

Product/ingredient name	Compartment Detail	Value	Method Detail
xylene	Fresh water	0.327 mg/l	-
	Marine	0.327 mg/l	-
	Sewage Treatment Plant	6.58 mg/l	-
	Fresh water sediment	12.46 mg/kg dwt	-
	Marine water sediment	12.46 mg/kg dwt	-
	Soil	2.31 mg/kg dwt	-
ethylbenzene	Fresh water	0.1 mg/l	-
	Marine	0.01 mg/l	-
	Sewage Treatment Plant	9.6 mg/l	-
	Fresh water sediment	13.7 mg/kg dwt	-
	Soil	2.68 mg/kg dwt	-
	Secondary Poisoning	20 mg/kg	-
butan-1-ol	Fresh water	0.082 mg/l	-
	Marine	0.0082 mg/l	-
	Sewage Treatment	2476 mg/l	-
	Plant		
	Fresh water sediment	0.178 mg/kg dwt	-
	Marine water sediment	0.0178 mg/kg dwt	-
	Soil	0.015 mg/kg dwt	-

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls	: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
Individual protection measu	<u>res</u>
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.
Okin musta stien	

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.

<u>Gloves</u>

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

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

Recommended, gloves(breakthrough time) > 8 hours: 4H/Silver Shield® (> 0.07 mm), Teflon (> 0.35 mm), nitrile rubber (> 0.4 mm), polyvinyl alcohol (PVA) (> 0.3 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	 Personnel should wear antistatic clothing made of natural fibres or of high- temperature-resistant synthetic fibres.
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.
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	: Clear.
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: 152.24°C (306°F)
Flammability	: Not applicable.
Lower and upper explosion limit	: 0.8 - 11.3%
Flash point	: Closed cup: 35°C
Auto-ignition temperature	: Lowest known value: 355°C (671°F) (butan-1-ol).
Decomposition temperature	: Not available.
рН	: Not applicable.
Viscosity	: Kinematic (40°C): >20.5 mm²/s
Solubility in water	: Not available.
Partition coefficient: n-octanol/ water	: Not available.
Vapour pressure	: Highest known value: 1.2 kPa (9.3 mm Hg) (at 20°C) (ethylbenzene). Weighted average: 0.77 kPa (5.78 mm Hg) (at 20°C)
Evaporation rate	: Highest known value: 0.84 (ethylbenzene) Weighted average: 0.73compared with butyl acetate
Density	: 1.043 g/cm³
Vapour density	: Highest known value: 3.7 (Air = 1) (xylene). Weighted average: 3.51 (Air = 1)
Explosive properties	: Not available.
Oxidising properties	: Not available.
Particle characteristics	
Median particle size	: Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
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 occur.
10.4 Conditions to avoid	1	When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	1	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains bisphenol f epoxide resin adduct with 1,2-diaminocyclohexane, 1,2-cyclohexanediamine, m-xylene-alpha, alpha'-diamine. May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat - Male	17.8 mg/l	4 hours
-	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-
butan-1-ol	LD50 Oral	Rat	790 mg/kg	-
1,2-cyclohexanediamine	LD50 Oral	Rat	4556 mg/kg	-
m-xylene-alpha,alpha'- diamine	LD50 Oral	Rat	980 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)
Tankguard Flexline Comp B	7355.3	5884.7	N/A	62.7	N/A
xylene	4300	1100	N/A	20	N/A
ethylbenzene	3500	N/A	N/A	17.8	N/A
butan-1-ol	500	N/A	N/A	N/A	N/A
1,2-cyclohexanediamine	4556	N/A	N/A	N/A	N/A
m-xylene-alpha,alpha'-diamine	980	N/A	N/A	11	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rat	-	87 milligrams 8 hours 60 microliters	-
m-xylene-alpha,alpha'- diamine	Eyes - Severe irritant	Rabbit	-	24 hours 50 µg	-
	Skin - Severe irritant	Rabbit	-	24 hours 750 µg	-

Sensitisation

SECTION 11: Toxicological information

Product/ingredient name	Route of exposure	Species	Result			
1,2-cyclohexanediamine	skin	Mammal - species unspecified	Sensitising			
m-xylene-alpha,alpha'- diamine	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.

Fertility effects

: No known significant effects or critical hazards.

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

Aspiration hazard

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

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

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.

SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
ethylbenzene	Acute LC50 13400 µg/l Fresh water Acute EC50 7700 µg/l Marine water Acute EC50 2.93 mg/l Acute LC50 4.2 mg/l	Fish - Pimephales promelas Algae - Skeletonema costatum Daphnia Fish	96 hours 96 hours 48 hours 96 hours
Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine)	Acute LC50 25.9 mg/l Fish 96 hours		
m-xylene-alpha,alpha'- diamine	Acute EC50 12 mg/l	Algae	72 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
xylene ethylbenzene	-		Readily Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene ethylbenzene butan-1-ol m-xylene-alpha,alpha'- diamine	3.12 3.6 1 0.18	8.1 to 25.9 - - 2.69	low low low 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 Endocrine disrupting properties

Not available.

12.7 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

SECTION 13: Disposal considerations

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	: 🔽 es.
Disposal considerations	 Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation	
Ø 8 01 11*	Waste paint and varnish containing organic solvents or other dangerous substances	
Packaging		
Methods of disposal	•	be avoided or minimised wherever possible. Waste Incineration or landfill should only be considered
Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions. 	
Type of packaging	Europear	n waste catalogue (EWC)
CEPE Guidelines		g containing residues of or contaminated by s substances
Special precautions		nust be disposed of in a safe way. Care should be ontainers that have not been cleaned or rinsed out.

Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number or ID number	UN3470	UN3470	UN3470	UN3470
14.2 UN proper shipping name	Paint, corrosive, flammable	Paint, corrosive, flammable	Paint, corrosive, flammable. Marine pollutant (Formaldehyde, oligomeric reaction products with phenol and m-phenylenebis (methylamine))	Paint, corrosive, flammable
Date of issue/Date of rev	vision : 24.03.20	23 Date of previous issue	: 23.03.2023	Version : 1.01 14/

Additional information ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. ADN : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. ADN : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. IATA : 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 i the event of an accident or spillage. 14.7 Maritime transport in bulk according to IMO : Not available.	14.2 Transport		ormation		
group Yes. Yes. Yes. Yes. Yes. Additional information Additional information arx is not required. ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Hazard identification number 83 Tunnel code (D/E) DN : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IATA : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IATA : 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 Maritime transport in bulk according to IMO instruments : Not available. SECTION 15: Regulatory information : Not available. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)		8 (3)	8 (3)	8 (3)	8 (3)
group Yes. Yes. Yes. Yes. Yes. Additional information Additional information arx is not required. ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Hazard identification number 83 Tunnel code (D/E) DN : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IATA : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IATA : 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 Maritime transport in bulk according to IMO instruments : Not available. SECTION 15: Regulatory information : Not available. 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)		¥2	¥2	×2	
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ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. Hazard identification number 83 Tunnel code (D/E) . ADN : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg. IMDG : 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 Maritime 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 EU Regulation (EC) No. 1907/2006 (REACH)	Environmental	Yes.	Yes.	Yes.	environmentally hazardous substance
IMDG : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 k IATA : 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 Maritime 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 EU Regulation (EC) No. 1907/2006 (REACH)		sizes <u>Haza</u> <u>Tunn</u> : The e	of ≤5 L or ≤5 kg. rd identification num! i el code (D/E) environmentally hazardo	ber 83	
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 Maritime 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 EU Regulation (EC) No. 1907/2006 (REACH)	IMDG	: The r	: The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 k		
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)	user		vent of an accident or s	pillage.	
EU Regulation (EC) No. 1907/2006 (REACH)	user 14.7 Maritime trans	the e		pillage.	
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<u>Annex XIV</u>

None of the components are listed.

Substances of very high concern

None of the components are listed.

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

VOC

: The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

SECTION 15: Regulatory information

-	-
VOC for Ready-for-Use Mixture	: Not available.
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
Ozone depleting substance	<u>es (1005/2009/EU)</u>
Not listed.	
Prior Informed Consent (P) Not listed.	IC) (649/2012/EU)

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

National regulations

Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.
<u>Norway</u>	
Product registration number	: Under declaration
International regulations	
Chemical Weapon Conver	tion 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.

15.2 Chemical safety :

: No Chemical Safety Assessment has been carried out.

assessment

SECTION 16: Other information

Indicates information that has changed from previously issued version.

SECTION 16: Other information

Abbreviations and	: ATE = Acute Toxicity Estimate
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
-	1272/2008]
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No Effect Level
	EUH statement = 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
	vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

Full text of classifications [CLP/GHS]

Aguta Tax 4	
Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 2	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Skin Corr. 1B	SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1B	SKIN SENSITISATION - Category 1B
STOT RE 2	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2
STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3
Date of printing	: 24.03.2023

: 1.01

Tankguard Flexline Comp B						
SECTION 16: Other information						
Date of issue/ Date of revision	: 24.03.2023					
Date of previous issue	: 23.03.2023					

Version 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.