SAFETY DATA SHEET



Hardtop One

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

1.1 Product identifier	
Product name	: Hardtop One
Product code	: 12020
Product description	: Paint.
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	Jotun Paints (Europe) Ltd. Stather Road Flixborough, Scunthorpe North LincoInshire DN15 8RR England
E-mail: SDSJotun@jotun.no	Tel: +44 17 24 40 00 00
	Fax: +44 17 24 40 01 00
1.4 Emergency telephone num	ber
National advisory body/Poiso	<u>n Centre</u>
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 Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 1B, H360D STOT RE 2, H373 Aquatic Chronic 3, H412

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. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H318 - Causes serious eye damage. H360D - May damage the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements	
General	: Not applicable.
Prevention	 P201 - Obtain special instructions before use. P280 - Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P260 - Do not breathe vapour or spray.
Response	 P308 + P313 - IF exposed or concerned: Get medical advice or attention. P362 + P364 - Take off contaminated clothing and wash it 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	: Not applicable.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	: EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Restricted to professional users.
Special packaging requirem	ents
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	: None known.

SECTION 3: Composition/information on ingredients

Broduct/ingradiant name	Identifiers	%	Classification	Tuno
Product/ingredient name				Туре
xylene	REACH #: 01-2119488216-32 EC: 215-535-7 CAS: 1330-20-7 Index: 601-022-00-9	≤10	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]
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	REACH #: 01-2119458049-33 EC: 919-446-0 CAS: -	≤5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT RE 1, H372 (central nervous system (CNS)) (inhalation) Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	[1]
1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl]-	EC: 221-336-6 CAS: 3069-29-2	≤5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317	[1]
titanium dioxide	REACH #: 01-2119489379-17 EC: 236-675-5 CAS: 13463-67-7 Index: 022-006-00-2	≤3	Carc. 2, H351 (inhalation)	[1] [*]
ethylbenzene	REACH #: 01-2119489370-35 EC: 202-849-4 CAS: 100-41-4 Index: 601-023-00-4	≤3	Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 (hearing organs) Asp. Tox. 1, H304 Aquatic Chronic 3, H412	[1] [2]
hydrocarbons, C9, aromatics	REACH #: 01-2119455851-35 EC: 918-688-5 CAS: 64742-95-6	≤3	Flam. Liq. 3, H226 STOT SE 3, H335 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066	[1]
butan-1-ol	REACH #: 01-2119484630-38 EC: 200-751-6 CAS: 71-36-3 Index: 603-004-00-6	≤2.2	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]
2-Propenoic acid, 2-methyl-, 2- (dimethylamino)ethyl ester, polymer with butyl 2-propenoate, compd. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers	CAS: 1259547-09-5	<1	Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
dioctyltin dilaurate	EC: 222-883-3 CAS: 3648-18-8	<1	Repr. 1B, H360D STOT RE 1, H372 (immune system)	[1] [2]
n-butyl methacrylate	REACH #: 01-2119486394-28 EC: 202-615-1	≤0.3	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319	[1]

SECTION 3: Composition/information on ingredients				
Oleic acid, compound	CAS: 97-88-1 Index: 607-033-00-5 EC: 251-846-4 CAS: 34140-91-5	≤0.1	Skin Sens. 1, H317 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 2, H411	[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.

<u>Type</u>

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter \leq 10 µm not bound within a matrix.

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 mask 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.

· · · · · · · · · · · · · · · · · · ·			
SECTION 4: First aid measures			
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 symptor	ns and effects, both acute and delayed		
<u>Over-exposure signs/sym</u>	<u>otoms</u>		
Eye contact	: Adverse symptoms may include the following: pain watering redness		
Inhalation	: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations		
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations		
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations		
4.3 Indication of any immed	liate 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	from the substance or mixture	
Hazards from the substance or mixture	: Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.	
Hazardous combustion products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides	

5.3 Advice for firefighters

SECTION 5: Firefighting measures

-	
Special protective actions for fire-fighters	 Promptly isolate the scene by removing all persons from the vicinity of the incident in 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, pro	tective 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.
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.
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 13 for waste disposal.

6.4 Reference to other	1	See Section 1 for emergency contact information.
sections		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. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. 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

SECTION 7: Handling and storage

	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	5000 tonne	50000 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

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.
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.
EH40/2005 WELs (United Kingdom (UK), 1/2020). Absorbed
through skin.
STEL: 154 mg/m ³ 15 minutes.
STEL: 50 ppm 15 minutes.
EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin
compounds, organic, except cyhexatin (ISO)] Absorbed
through skin.
STEL: 0.2 mg/m³, (as Sn) 15 minutes.
TWA: 0.1 mg/m³, (as Sn) 8 hours.
_

Diological exposure indices

SECTION 8: Exposure controls/personal protection

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.		
	: Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous		

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 bw/day	General population	Systemic
	DNEL	Long term	65.3 mg/m ³	General	Local
	DITE	Inhalation	00.0 mg/m	population	Loodi
	DNEL	Long term	65.3 mg/m ³	General	Systemic
	DIVLL	Inhalation	00.0 mg/m	population	Cysternio
	DNEL	Long term Dermal	125 mg/kg	General	Systemic
	DITE	Long tonin Donnar	bw/day	population	Cyclonno
	DNEL	Long term Dermal	212 mg/kg	Workers	Systemic
	DIVLL	Long term Derma	bw/day	Wonters	Cysternio
	DNEL	Long term	221 mg/m ³	Workers	Local
	DILLE	Inhalation	22 i mg/m	Wontono -	Loodi
	DNEL	Long term	221 mg/m ³	Workers	Systemic
	5.122	Inhalation			eyetenne
	DNEL	Short term	260 mg/m ³	General	Local
	DIVLL	Inhalation	200 mg/m	population	Loodi
	DNEL	Short term	260 mg/m ³	General	Systemic
	DILLE	Inhalation	200 mg/m	population	Cyclonnic
	DNEL	Short term	442 mg/m ³	Workers	Local
	DITE	Inhalation	112 mg/m	Wontono -	Loodi
	DNEL	Short term	442 mg/m ³	Workers	Systemic
	DIVLL	Inhalation	442 mg/m	Wonters	Cysternio
hydrocarbons, C9-C12, n-alkanes,	DNEL	Long term	330 mg/m ³	Workers	Systemic
isoalkanes, cyclics, aromatics	DIVLL	Inhalation	ooo mg/m	Wonters	Cysternio
(2-25%)		Innalation			
(2-2070)	DNEL	Long term Dermal	44 mg/kg	Workers	Systemic
	DINEL	Long term Derma	bw/day	WOIKCI3	Oysternie
	DNEL	Long term	71 mg/m ³	General	Systemic
	DITE	Inhalation	/ · · · · · · · · · · · · · · · · · · ·	population	Cyclonnic
	DNEL	Long term Dermal	26 mg/kg	General	Systemic
	DINEL	Long term Derma	bw/day	population	Oysternie
	DNEL	Long term Oral	26 mg/kg	General	Systemic
	DIVLL	Long tonn ordi	bw/day	population	Cysternio
1,2-ethanediamine, n-[3-	DNEL	Short term Oral	1.5 mg/kg	General	Systemic
(dimethoxymethylsilyl)propyl]-	DIVLL	onore term or a	bw/day	population	Cysternio
(annowioxymearyionyi)propyij	DNEL	Long term Oral	1.5 mg/kg	General	Systemic
	DITE	Long tonn oran	bw/day	population	Cyclonnic
	DNEL	Long term Dermal	1.5 mg/kg	General	Systemic
			bw/day	population	,
	DNEL	Long term Dermal	3 mg/kg	Workers	Systemic
			bw/day		,
	DNEL	Long term	5.2 mg/m ³	General	Systemic
		Inhalation		population	
	DNEL	Long term	21.1 mg/m ³	Workers	Systemic
		Inhalation	Ŭ		
	DNEL	Short term	26400 mg/	General	Systemic
		Inhalation	m ³	population	
titanium dioxide	DNEL	Long term	28 µg/m³	General	Local
		Inhalation		population	
	DNEL	Long term	170 µg/m³	Workers	Local
		Inhalation			
e of issue/Date of revision : 07.	05.2024	Date of previous issue	: 05.04.2	024 Ve	rsion : 1.06

ethylbenzene	DMEL	Long term	442 mg/m ³	Workers	Local
	DMEL	Inhalation Short term	884 mg/m³	Workers	Systemic
	DNEL	Inhalation Long term Oral	1.6 mg/kg	General	Systemic
	DNEL	Long term	bw/day 15 mg/m³	population General	Systemic
	DNEL	Inhalation Long term	77 mg/m ³	population Workers	Systemic
	DNEL	Inhalation Long term Dermal	180 mg/kg	Workers	Systemic
	DNEL	Short term	bw/day 293 mg/m ³	Workers	Local
		Inhalation	_		
hydrocarbons, C9, aromatics	DNEL	Long term Dermal	12.5 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	151 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	7.5 mg/kg bw/day	General population [Consumers]	Systemic
	DNEL	Long term Inhalation	32 mg/m³	General population	Systemic
	DNEL	Long term Oral	7.5 mg/kg bw/day	[Consumers] General population	Systemic
	DNEL	Long term Inhalation	0.41 mg/m ³	[Consumers] General population	Systemic
	DNEL	Long term Inhalation	1.9 mg/m³	Workers	Systemic
	DNEL	Long term Inhalation	178.57 mg/ m³	General population	Local
	DNEL	Short term Inhalation	640 mg/m ³	General	Local
	DNEL	Long term Inhalation	837.5 mg/ m³	Workers	Local
	DNEL	Short term Inhalation	1066.67 mg/m ³	Workers	Local
	DNEL	Short term	1152 mg/ m ³	General	Systemic
	DNEL	Inhalation Short term	1286.4 mg/	population Workers	Systemic
butan-1-ol	DNEL	Inhalation Long term Oral	m ³ 1.5625 mg/		Systemic
	DNEL	Long term Dermal	kg bw/day 3.125 mg/	population General	Systemic
	DNEL	Long term	kg bw/day 55.357 mg/		Systemic
	DNEL	Inhalation Long term	m³ 155 mg/m³	population General	Local
	DNEL	Inhalation Long term	310 mg/m ³	population Workers	Local
dioctyltin dilaurate	DNEL	Inhalation Long term Oral	0.0005 mg/		Systemic
	DNEL	Long term	kg bw/day 0.0009 mg/	population General	Systemic
	DNEL	Inhalation Long term	m³ 0.0035 mg/	population	Systemic
n-butyl methacrylate	DNEL	Inhalation Long term Dermal	m³ 3 mg/kg	General	Systemic
, ,	DNEL	Long term Dermal	bw/day 5 mg/kg	population Workers	Systemic
	DNEL	Long term	bw/day 66.5 mg/m ³		Systemic

SECTION 8: Exposure controls/personal protection

bechow 8. Exposure controls/personal protection					
		Inhalation		population	
	DNEL	Long term	366.4 mg/	General	Local
		Inhalation	m³	population	
	DNEL	Long term	409 mg/m³	Workers	Local
		Inhalation			
	DNEL	Long term	415.9 mg/	Workers	Systemic
		Inhalation	m³		
Oleic acid, compound	DNEL	Long term Oral	5 µg/kg bw/	General	Systemic
			day	population	
	DNEL	Long term Dermal	5 µg/kg bw/		Systemic
			day	population	
	DNEL	Long term Dermal	14 µg/kg	Workers	Systemic
			bw/day		
	DNEL	Long term	17.4 µg/m³	General	Systemic
		Inhalation		population	
	DNEL	Long term	98.4 µg/m³	Workers	Systemic
		Inhalation			

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 Plant	2476 mg/l	-
	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

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 measu		
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 clothin 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 b required instead.	

SECTION 8: Exposure controls/personal protection

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.

Not recommended, gloves(breakthrough time) < 1 hour: butyl rubber (> 0.4 mm)

May be used, gloves(breakthrough time) 4 - 8 hours: fluor rubber (> 0.35 mm), Viton® (> 0.7 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), polyvinyl alcohol (PVA) (> 0.3 mm), nitrile rubber (> 0.75 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	1	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.
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

Appearance	
Physical state	: Liquid.
Colour	: Black, Blue., Green., Grey, MCI Base 1, MCI Base 2, MCI Base 3, MCI Base 5, Orange, Red, White., Yellow.
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: 165.49°C (329.9°F)
Flammability	: Not applicable.

SECTION 9: Physical a	nd	chemical properties
Upper/lower flammability or explosive limits	: (0.8 - 11.3%
Flash point	: (Closed cup: 28°C (82.4°F)
Auto-ignition temperature		Lowest known value: 280 to 470°C (536 to 878°F) (hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)).
Decomposition temperature	: 1	Not available.
рН	: 1	Not applicable.
Viscosity	: 1	Kinematic (40°C): >20.5 mm²/s
Solubility(ies)	:	
Media		Result
cold water hot water		Not soluble Not soluble
Partition coefficient: n-octanol	:	Not available.
Vapour pressure	I	Highest known value: 2.7 kPa (20.3 mm Hg) (at 20°C) (hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)). Weighted average: 1.14 kPa (8.55 mm Hg) (at 20°C)
Evaporation rate		Highest known value: 0.84 (ethylbenzene) Weighted average: 0.54compared with butyl acetate
Density	: :	1.245 to 1.444 g/cm³
Vapour density	: 1	Highest known value: 3.7 (Air = 1) (xylene). 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.

SECTION 10: Stability and reactivity				
10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredie	ents.		
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	ır.		
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.	9,		

In contact with water, the product hydrolyses; during curing, releases Methanol. If the product is contaminated with water during production, transportation or storage, this may effect both flashpoint and hazard potential.

SECTION 11: Toxicological information

11.1 Information on toxicological effects Acute toxicity

SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
xylene	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
1,2-ethanediamine, n-[3-	LD50 Oral	Mammal -	200 mg/kg	-
(dimethoxymethylsilyl)propyl]		species		
-		unspecified		
ethylbenzene	LC50 Inhalation Vapour	Rat - Male	11 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	-
n-butyl methacrylate	LD50 Oral	Rat	16 g/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)
Hardtop One	10999.7	17099.8	N/A	128.2	N/A
xylene	4300	1100	N/A	11	N/A
1,2-ethanediamine, n-[3-(dimethoxymethylsilyl) propyl]-	500	N/A	N/A	N/A	N/A
ethylbenzene	3500	N/A	N/A	11	N/A
butan-1-ol	500	N/A	N/A	N/A	N/A
n-butyl methacrylate	16000	N/A	N/A	N/A	N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Eyes - Mild irritant	Rabbit	-	87 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl]-	Eyes - Severe irritant	Mammal - species unspecified	-	-	-
	Skin - Moderate irritant	Mammal - species unspecified	-	-	-
titanium dioxide	Skin - Mild irritant	Human	-	72 hours	-
n-butyl methacrylate	Eyes - Mild irritant	Mammal - species unspecified	-	-	-
	Skin - Mild irritant	Rabbit	-	500 microliters	-

Sensitisation

Product/ingredient name	Route of exposure	Species	Result
1,2-ethanediamine, n-[3- (dimethoxymethylsilyl)propyl]-	skin	Mammal - species unspecified	Sensitising
2-Propenoic acid, 2-methyl-, 2-(dimethylamino)ethyl ester, polymer with butyl 2-propenoate, comps. with polyethylene glycol hydrogen maleate C9-11-alkyl ethers	skin	Mammal - species unspecified	Sensitising
n-butyl methacrylate	skin	Mammal - species unspecified	Sensitising

Mutagenicity

No known significant effects or critical hazards. Carcinogenicity

SECTION 11: Toxicological information

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

No known significant effects or critical hazards.

Reproductive toxicity

Developmental effects	: May damage the unborn child.
Developmental encets	· May damage the dribbin child.

- **Fertility effects**
- : No known significant effects or critical hazards.

Teratogenicity

May damage the unborn child.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Category 3	-	Narcotic effects
hydrocarbons, C9, aromatics	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects
butan-1-ol	Category 3	-	Respiratory tract irritation
n-butyl methacrylate	Category 3 Category 3	-	Narcotic effects Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) ethylbenzene dioctyltin dilaurate Oleic acid, compound	Category 1 Category 2 Category 1 Category 2	inhalation - - -	central nervous system (CNS) hearing organs immune system -

Aspiration hazard

Product/ingredient name	Result
xylene hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1
ethylbenzene hydrocarbons, C9, aromatics	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Potential acute health effects

: Causes serious eye damage.
: No known significant effects or critical hazards.
: Causes skin irritation. May cause an allergic skin reaction.
: No known significant effects or critical hazards.
hysical, chemical and toxicological characteristics
: Adverse symptoms may include the following: pain watering redness
: Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations

SECTION 11: Toxicological information

Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur reduced foetal weight increase in foetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: stomach pains reduced foetal weight increase in foetal deaths skeletal malformations
General	 May cause damage to organs through prolonged or repeated exposure. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Other information	: None identified.

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.

Product/ingredient name	Result	Species	Exposure
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
hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)	Acute EC50 <10 mg/l	Daphnia	48 hours
	Acute IC50 <10 mg/l	Algae	72 hours
	Acute LC50 <10 mg/l	Fish	96 hours
titanium dioxide	Acute LC50 3 mg/l Fresh water	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 6.5 mg/l Fresh water	Daphnia - Water flea - Daphnia pulex - Neonate	48 hours
	Acute LC50 >1000000 μg/l Marine water	Fish - Mummichog - Fundulus heteroclitus	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
hydrocarbons, C9, aromatics	Acute EC50 <10 mg/l	Daphnia	48 hours
	Acute IC50 <10 mg/l	Algae	72 hours
	Acute LC50 <10 mg/l	Fish	96 hours
n-butyl methacrylate	Chronic NOEC 2.6 mg/l Fresh water	Daphnia - Water flea - Daphnia magna - Neonate	21 days

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

12.2 Persistence and degradability

Conclusion/Summary

: Not available.

SECTION 12: Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	-	Readily Not readily
ethylbenzene hydrocarbons, C9, aromatics	- -	-	Readily Not readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
xylene	3.12	8.1 to 25.9	low
hydrocarbons, C9-C12, n- alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	10 to 2500	high
ethylbenzene	3.6	-	low
hydrocarbons, C9, aromatics	-	10 to 2500	high
butan-1-ol	1	-	low
dioctyltin dilaurate	-	<100	low
n-butyl methacrylate	2.99	-	low

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

08 01 11* 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.

Waste paint and varnish containing organic solvents or other dangerous substances

SECTION 13: Disposal considerations

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. E thoroughly ir	I 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. iners or liners may retain some product residues. Vapour from product y 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	UN1263	UN1263	UN1263	UN1263
14.2 UN proper shipping name	Paint	Paint	Paint	Paint
14.3 Transport hazard class(es)	3	3	3	3
14.4 Packing group	111	111	111	111
14.5 Environmental hazards	No.	Yes.	No.	No.

Additional information

Additional information		
ADR/RID	:	Hazard identification number 30 Tunnel code (D/E)
		ADR/RID: Viscous substance. Not goods of class 3, ref. 2.2.3.1.5 (only applicable to receptacles < 450 litre capacity).
ADN	:	The product is only regulated as an environmentally hazardous substance when transported in tank vessels.
IMDG	1	<u>Emergency schedules</u> F-E, <u>S-E</u>
		IMDG: Viscous substance. Transport in accordance with 2.3.2.5 of the IMDG Code (only applicable to receptacles < 450 litre capacity).
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 <u>UK (GB)/REACH</u>

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

SECTION 15: Regulatory information

Substances of very high concern

Intrinsic property	Ingredient name	Status	Reference number	Date of revision
Toxic to reproduction	dioctyltin dilaurate, stannane, dioctyl-, bis (coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	Candidate	D(2020) 9139-DC	19.01.2021

Ozone depleting substances

Not listed.

Prior Informed Consent (PIC)

Part	Ingredient name	Status
Part 1	dioctyltin compounds	Listed

Persistent Organic Pollutants

Not listed.

Annex XVII - Restrictions : Restricted to professional users. 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

Category	
P5c	
EU regulations	
Industrial emissions (integrated pollution prevention and control) - Air	: Not listed
Industrial emissions (integrated pollution prevention and control) - Water	: Not listed
International regulations	
Chemical Weapon Conventi	on List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol Not listed.	
Stockholm Convention on F	Persistent Organic Pollutants
Not listed.	
Rotterdam Convention on P Not listed.	rior Informed Consent (PIC)
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.

Date of issue/Date of revision

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 SCC = Segregation Group
	SGG = Segregation Group vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 1B, H360D	Calculation method
STOT RE 2, H373	Calculation method
Aquatic Chronic 3, H412	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.
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.
H351	Suspected of causing cancer.
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Full text of classifications

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) 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
Carc. 2	CARCINOGENICITY - Category 2
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
Repr. 1B	REPRODUCTIVE TOXICITY - Category 1B
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
STOT RE 1	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1

SECTION 16: Other information

STOT RE 2 STOT SE 3	SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3	
Date of printing	: 07.05.2024	
Date of issue/ Date of revision	: 07.05.2024	
Date of previous issue	e : 05.04.2024	
Version	: 1.06	

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.