# SAFETY DATA SHEET



### **Resist ZES Comp A**

Section 1. Identification					
GHS product identifier	: Resist ZES Comp A				
Other means of identification	: Not available.				
Product code	: 19880				
Product description	: Paint.				
Product type	: Liquid.				
Relevant identified uses o	Relevant identified uses of the substance or mixture and uses advised against				
	Identified uses				
Use in coatings - Profession	nal use				
Supplier's details	: Jotun (Singapore) Pte Ltd 37 Tuas View Crescent Singapore 637236 Phone: 6508 8288 Fax: 6265 7484 SDSJotun@jotun.com				
Emergency telephone number	: Jotun (Singapore) Pte Ltd, Tel: 6508 8288				

# Section 2. Hazards identification

Classification of the substance or mixture	<ul> <li>FLAMMABLE LIQUIDS - Category 2</li> <li>SKIN CORROSION/IRRITATION - Category 2</li> <li>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A</li> <li>LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3</li> </ul>
GHS label elements	
Hazard pictograms	
Signal word	: Danger.
Hazard statements	<ul> <li>H225 - Highly flammable liquid and vapour.</li> <li>H315 - Causes skin irritation.</li> <li>H319 - Causes serious eye irritation.</li> <li>H412 - Harmful to aquatic life with long lasting effects.</li> </ul>
Precautionary statements	
Prevention	<ul> <li>P280 - Wear protective gloves. Wear eye or face protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P241 - Use explosion-proof electrical, ventilating or lighting equipment.</li> <li>P242 - Use non-sparking tools.</li> <li>P243 - Take action to prevent static discharges.</li> <li>P233 - Keep container tightly closed.</li> <li>P273 - Avoid release to the environment.</li> </ul>
Response	<ul> <li>P362 + P364 - Take off contaminated clothing and wash it before reuse.</li> <li>P302 + P352 - IF ON SKIN: Wash with plenty of water.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.</li> <li>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical advice or attention.</li> </ul>

## Section 2. Hazards identification

Storage	: P403 + P235 - Store in a well-ventilated place. Keep cool.
Disposal	<ul> <li>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</li> </ul>

Other hazards which do not : None known.

result in classification

## Section 3. Composition/information on ingredients

Substance/mixture	÷	Mixture
Other means of identification	:	Not available.
<b>CAS number/other identifiers</b>		
CAS number	÷	Not applicable.
EC number	÷	Mixture.
Product code	÷	19880

Ingredient name	%	CAS number
ethanol	≥10 - ≤25	64-17-5
2-butoxyethanol	≤10	111-76-2
tetraethyl silicate	≤5	78-10-4
xylene	≤5	1330-20-7
1-methoxy-2-propanol	≤5	107-98-2
ethylbenzene	≤2.2	100-41-4
zinc chloride	<1	7646-85-7

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 and hence require reporting in this section.

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

**Chemical formula** : Not applicable.

### Section 4. First aid measures

Description of necessary first	aid measures
Eye contact	: 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. Get medical attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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. Get medical attention if adverse health effects persist or are severe. 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.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	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. Get medical attention if adverse health effects persist or are severe. 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.
Most important symptoms/effe	ects, acute and delayed
Potential acute health effects	
Eye contact	Causes serious eye irritation.
Inhalation	No known significant effects or critical hazards.

## Section 4. First aid measures

Skin contact	Causes skin irritation.					
Ingestion	No known significant effects or critical hazards.					
Over-exposure signs/sym	Over-exposure signs/symptoms					
Eye contact	Adverse symptoms may include the following: pain or irritation watering redness					
Inhalation	No specific data.					
Skin contact	Adverse symptoms may include the following: irritation redness					
Ingestion	No specific data.					
Indication of immediate me	attention and special treatment needed, if necessary					
Notes to physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.					
Specific treatments	No specific treatment.					
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. I may be dangerous to the person providing aid to give mouth-to-mouth resuscitat					

See toxicological information (Section 11)

## Section 5. Firefighting measures

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Extinguishing media		
Suitable extinguishing media	Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.	
Unsuitable extinguishing media	Do not use water jet.	
Specific hazards arising from the chemical	Highly flammable liquid and vapour. Runoff to sewer may create fire or explo- hazard. In a fire or if heated, a pressure increase will occur and the container burst, with the risk of a subsequent explosion. This material is harmful to aqu with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or dr	<sup>-</sup> may latic life
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides	
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the inci 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 ris 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 pressur mode.	

## Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures				
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing 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".		
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.		

### Section 6. Accidental release measures

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 spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

#### Precautions for safe handling

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

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

Ingredient name		Exposure limits
ethanol		Workplace Safety and Health Act (Singapore, 2/2006). PEL (long term): 1880 mg/m <sup>3</sup> 8 hours.
2-butoxyethanol		PEL (long term): 1000 ppm 8 hours. Workplace Safety and Health Act (Singapore, 2/2006).
		PEL (long term): 25 ppm 8 hours. PEL (long term): 121 mg/m <sup>3</sup> 8 hours.
tetraethyl silicate		Workplace Safety and Health Act (Singapore, 2/2006).
		PEL (long term): 85 mg/m <sup>3</sup> 8 hours. PEL (long term): 10 ppm 8 hours.
xylene		Workplace Safety and Health Act (Singapore, 2/2006).
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## Section 8. Exposure controls/personal protection

Cection o. Exposu		controls/personal pro		
1-methoxy-2-propanol			PEL (short term): 651 mg/m <sup>3</sup> 15 minutes. PEL (short term): 150 ppm 15 minutes. PEL (long term): 434 mg/m <sup>3</sup> 8 hours. PEL (long term): 100 ppm 8 hours. Workplace Safety and Health Act (Singapore, 2/2006). [Propylene glycol	
			<b>monomethyl ether]</b> PEL (short term): 553 mg/m <sup>3</sup> 15 minutes. PEL (short term): 150 ppm 15 minutes. PEL (long term): 369 mg/m <sup>3</sup> 8 hours. PEL (long term): 100 ppm 8 hours.	
ethylbenzene			Workplace Safety and Health Act (Singapore, 2/2006). Notes: PEL (long term): 100 ppm 8 hours.	
			PEL (long term): 434 mg/m <sup>3</sup> 8 hours. <b>Workplace Safety and Health Act</b> <b>(Singapore, 2/2006).</b> PEL (short term): 543 mg/m <sup>3</sup> 15 minutes. PEL (short term): 125 ppm 15 minutes.	
zinc chloride			Workplace Safety and Health Act (Singapore, 2/2006). PEL (long term): 1 mg/m <sup>3</sup> 8 hours. Form: Fume	
			PEL (short term): 2 mg/m <sup>3</sup> 15 minutes. Form: Fume	
Appropriate engineering controls		contaminants below any recommende	s to keep worker exposure to airborne d or statutory limits. The engineering controls concentrations below any lower explosive	
Environmental exposure controls		Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.		
Individual protection measure	<u>es</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. 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.		
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.		

## Section 8. Exposure controls/personal protection

	Weer evitable sloves tested to ICO 274 1:2016
	Wear suitable gloves tested to ISO 374-1:2016.
	Not recommended, gloves(breakthrough time) < 1 hour: PVC (> 0.5 mm)
	Recommended, gloves(breakthrough time) > 8 hours: butyl rubber (> 0.4 mm),
	Viton® (> 0.7 mm), 4H/Silver Shield® (> 0.07 mm)
	May be used, gloves(breakthrough time) 4 - 8 hours: neoprene (> 0.35 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	: 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	<ul> <li>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.</li> </ul>
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	Liquid.	
Colour	Grey.	
Odour	Characteristic.	
Odour threshold	Not available.	
рН	Not applicable.	
Melting point	Not applicable.	
Boiling point	Lowest known value: 78.29°C (172.9°F) (ethanol). Weighted average: 117.49 (243.5°F)	۱°C
Flash point	Closed cup: 16°C (60.8°F)	
Burning time	Not applicable.	
Burning rate	Not applicable.	
Evaporation rate	Highest known value: 1.7 (ethanol) Weighted average: 1.05compared with be acetate	utyl
Flammability (solid, gas)	Not applicable.	
Lower and upper explosive (flammable) limits	0.8 - 23%	
Vapour pressure	Highest known value: 5.7 kPa (43 mm Hg) (at 20°C) (ethanol). Weighted ave 2.84 kPa (21.3 mm Hg) (at 20°C)	erage:
Vapour density	Highest known value: 7.22 (Air = 1) (tetraethyl silicate). Weighted average: (Air = 1)	3.17
Relative density	1.33 g/cm <sup>3</sup>	
Solubility	Soluble in the following materials: hot water. Partially soluble in the following materials: cold water.	
Solubility in water	Not available.	
Partition coefficient: n- octanol/water	Not available.	
Auto-ignition temperature	Lowest known value: 222°C (431.6°F) (tetraethyl silicate).	
Decomposition temperature	Not available.	
SADT	Not available.	

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Duto			

### Section 9. Physical and chemical properties

Viscosity

: Dynamic: Highest known value: 1.7 cP (1-methoxy-2-propanol) Weighted average: 0.7 cP Kinematic: Highest known value: 3.64 cSt (2-butoxyethanol) (IP 71) Weighted average: 3.19 cSt Kinematic (40C): >20.5 cSt

### Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
SADT	: Not available.

## Section 11. Toxicological information

#### Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
ethanol	LC50 Inhalation Vapour	Rat	124700 mg/m <sup>3</sup>	4 hours
2-butoxyethanol	LD50 Oral	Guinea pig -	1414 mg/kg	-
	LD50 Oral	Male, Female Rat - Male, Female	1300 mg/kg	-
xylene	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
1-methoxy-2-propanol	LD50 Dermal	Rabbit	13 g/kg	-
2	LD50 Oral	Rat	6600 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	-
zinc chloride	LD50 Oral	Rat	350 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ethanol	Eyes - Moderate irritant	Rabbit	-	100 microliters	-
	Skin - Mild irritant	Rabbit	-	400 milligrams	-
2-butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Skin - Mild irritant	Rabbit	-	500 mg	-
tetraethyl silicate	Eyes - Mild irritant	Mammal - species unspecified	-	-	-
xylene	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rat	- -	87 milligrams 8 hours 60 microliters	-
1-methoxy-2-propanol	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
zinc chloride	Skin - Mild irritant Skin - Severe irritant	Rabbit Rabbit	- -	500 mg 120 hours 1 Percent	-

#### **Sensitisation**

Not available.

## Section 11. Toxicological information

#### **Mutagenicity**

Not available.

#### **Carcinogenicity**

Not available.

#### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
tetraethyl silicate	Category 3	-	Respiratory tract irritation
xylene	Category 3	-	Respiratory tract irritation
1-methoxy-2-propanol	Category 3	-	Narcotic effects
zinc chloride	Category 3	-	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Name		Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs

#### **Aspiration hazard**

Name	Result	
xylene ethylbenzene		
Information on likely routes of exposure	Not available.	
Potential acute health effect		
Eye contact	Causes serious eye irritation.	
Inhalation	No known significant effects or critical hazards.	
Skin contact	Causes skin irritation.	
Ingestion	No known significant effects or critical hazards.	
Symptoms related to the pl	al, chemical and toxicological characteristics	
Eye contact	Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation	No specific data.	
Skin contact	dverse symptoms may include the following: ritation edness	
Ingestion	No specific data.	
Delayed and immediate eff	s well as chronic effects from short and long-term exp	<u>iosure</u>
Short term exposure		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Long term exposure		
Potential immediate effects	Not available.	
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## Section 11. Toxicological information

### Potential delayed effects : Not available.

Potential chronic health effects

#### Not available.

Devete	
Acute toxicity estimates	
Numerical measures of toxi	city
Fertility effects	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
General	: No known significant effects or critical hazards.

Route	ATE value
Oral	15170.67 mg/kg
Dermal	24733 mg/kg
Inhalation (vapours)	29.81 mg/l

## Section 12. Ecological information

#### **Toxicity**

Product/ingredient name	Result	Species	Exposure
2-butoxyethanol	Acute EC50 1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 1000 mg/l Marine water	Crustaceans -	48 hours
		Chaetogammarus marinus -	
		Young	
xylene	Acute LC50 8500 µg/l Marine water	Crustaceans - Palaemonetes pugio	48 hours
	Acute LC50 13400 µg/l Fresh water	Fish - Pimephales promelas	96 hours
ethylbenzene	Acute EC50 7700 µg/l Marine water	Algae - Skeletonema costatum	96 hours
-	Acute EC50 2.93 mg/l	Daphnia	48 hours
	Acute LC50 4.2 mg/l	Fish	96 hours

#### Persistence/degradability

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene ethylbenzene	-	-	Readily Readily

#### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
ethanol	-0.35	-	low
2-butoxyethanol	0.81	-	low
tetraethyl silicate	3.18	-	low
xylene	3.12	8.1 to 25.9	low
1-methoxy-2-propanol	<1	-	low
ethylbenzene	3.6	-	low
zinc chloride	-	60960	high

**Mobility in soil** 

: Not available.

Other adverse effects

Soil/water partition

coefficient (Koc)

: No known significant effects or critical hazards.

## Section 13. Disposal considerations

#### **Disposal methods**

: 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers 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.

Do not allow to enter drains or watercourses. Material and/or container must be disposed of as hazardous waste.

## Section 14. Transport information

	UN	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	Paint	Paint	Paint
Transport hazard class(es)	3	3	3
Packing group	П	11	II
Environmental hazards	No.	No.	No.
Additional information	-	Emergency schedules F-E, S-E	-

#### **Additional information**

Transport in accordance with ADR/RID, IMDG/IMO and ICAO/IATA and national regulation.

ADR / RID	:	Tunnel restriction code: (D/E) Hazard identification number: 33 Special provisions: 640D
Special precautions for user	:	<b>Transport within user's premises:</b> 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.
Transport in bulk according to IMO instruments	:	Not available.

## Section 15. Regulatory information

Singapore - hazardous chemicals under government control None.

## Section 16. Other information

Key to abbreviations	: ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	: Not available.

✓ Indicates information that has changed from previously issued 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.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

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