SAFETY DATA SHEET



Marathon 550 Comp B

Section 1. Identification

GHS product identifier	: Marathon 550 Comp B
Other means of identification	: Not available.
Product code	: 33344
Product description	: Hardener.
Product type	: Liquid.

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

	Identified uses	
Use in coatings - Industrial use Use in coatings - Professional use		
Use in coatings - Professional use		

Manufacturing country : Jotun Thailand Limited 700/353 Amata Nakorn Industrial Estate (BIP 2) Moo 6, Tumbol Donhualoh, Amphur Muang Chonburi Chonburi 20000 Thailand Phone: + 66 2 022 9888

Fax: + 66 2 022 9888 , + 66 38 214 375

SDSJotun@jotun.com

Emergency telephone number	1	Jotun Thailand Limited
		Phone: + 66 2 022 9888 ext. 2100, 2400, 2402

Section 2. Hazards identification

Classification of the substance or mixture	 FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 SKIN CORROSION/IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN SENSITISATION - Category 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
GHS label elements	
Hazard pictograms	
Signal word	: Danger.
Hazard statements	 H226 - Flammable liquid and vapour. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements	

Section 2. Hazards identification

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. P270 - Do not eat, drink or smoke when using this product.
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	: P403 + P235 - Store in a well-ventilated place. Keep cool.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Other hazards which do not esult in classification	: None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Other means of identification	: Not available.

CAS number/other identifiers

CAS number	: Not applicable.
EC number	: Mixture.
Product code	: 33344

% Ingredient name **CAS** number ≥25 - ≤50 1173092-74-4 Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated 84144-79-6 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ≥10 - ≤25 ether benzyl alcohol ≥10 - ≤25 100-51-6 Formaldehyde, oligomeric reaction products with phenol and m-≤10 57214-10-5 phenylenebis(methylamine) xylene ≤10 1330-20-7 m-xylene-alpha,alpha'-diamine ≤5 1477-55-0 ≤5 104-78-9 3-aminopropyldiethylamine ≤3 100-41-4 ethylbenzene

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.

Section 4. First aid measures

Description of necessary first aid measures Eye contact : Get medical attention immediately. Call a poison center or physic flush eyes with plenty of water, occasionally lifting the upper and lo Check for and remove any contact lenses. Continue to rinse for a Chemical burns must be treated promptly by a physician.	ower eyelids. at least 10 minutes. cian. Remove eathing. If it is
flush eyes with plenty of water, occasionally lifting the upper and lo Check for and remove any contact lenses. Continue to rinse for a	ower eyelids. at least 10 minutes. cian. Remove eathing. If it is
	eathing. If it is
Inhalation : Get medical attention immediately. Call a poison center or physic victim to fresh air and keep at rest in a position comfortable for bro- suspected that fumes are still present, the rescuer should wear ar or self-contained breathing apparatus. If not breathing, if breathin respiratory arrest occurs, provide artificial respiration or oxygen by It may be dangerous to the person providing aid to give mouth-to- resuscitation. If unconscious, place in recovery position and get n immediately. Maintain an open airway. Loosen tight clothing such belt or waistband. In case of inhalation of decomposition products symptoms may be delayed. The exposed person may need to be medical surveillance for 48 hours.	ng is irregular or if y trained personnel. mouth medical attention h as a collar, tie, s in a fire,
Skin contact: Get medical attention immediately. Call a poison center or physic plenty of soap and water. Remove contaminated clothing and sho contaminated clothing thoroughly with water before removing it, or Continue to rinse for at least 10 minutes. Chemical burns must be by a physician. In the event of any complaints or symptoms, avoid Wash clothing before reuse. Clean shoes thoroughly before reuse.	oes. Wash r wear gloves. e treated promptly d further exposure.
Ingestion : Get medical attention immediately. Call a poison center or physic mouth with water. Remove dentures if any. If material has been a exposed person is conscious, give small quantities of water to driv exposed person feels sick as vomiting may be dangerous. Do no unless directed to do so by medical personnel. If vomiting occurs be kept low so that vomit does not enter the lungs. Chemical burr promptly by a physician. Never give anything by mouth to an unco If unconscious, place in recovery position and get medical attention Maintain an open airway. Loosen tight clothing such as a collar, ti waistband.	swallowed and the nk. Stop if the ot induce vomiting s, the head should ns must be treated onscious person. on immediately.

Most important symptoms/effects, acute and delayed

Most important symptoms/enects, acute and delayed				
Potential acute health effects				
Eye contact	÷	Causes serious eye damage.		
Inhalation	:	No known significant effects or critical hazards.		
Skin contact	:	Causes severe burns. May cause an allergic skin reaction.		
Ingestion	:	Harmful if swallowed.		
Over-exposure signs/symptom	<u>15</u>			
Eye contact	:	Adverse symptoms may include the following: pain watering redness		
Inhalation	:	No specific data.		
Skin contact	:	Adverse symptoms may include the following: pain or irritation redness blistering may occur		
Ingestion	:	Adverse symptoms may include the following: stomach pains		
Indication of immediate medical attention and special treatment needed, if necessary				
Notes to physician	1	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.		

Date of issue	: 24.03.2022

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.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: 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 very toxic 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 thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if 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

Personal precautions, protectiv	e 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".
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
Methods and material for conta	inment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and

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

Section 6. Accidental release measures

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

Section 7. Handling and storage

Precautions for safe handling	h e	Eating, drinking and smoking should be prohibited in areas where this material is nandled, 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 nformation on hygiene measures.
Conditions for safe storage, including any incompatibilities	a V c r t l a	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 hat have been opened must be carefully resealed and kept upright to prevent eakage. 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
xylene m-xylene-alpha,alpha'-diami	ne	Ministry of Labor (Thailand, 8/2017). TWA: 100 ppm 8 hours. ACGIH TLV (United States, 1/2021). Absorbed through skin.
ethylbenzene		C: 0.018 ppm Ministry of Labor (Thailand, 8/2017). TWA: 100 ppm 8 hours.
Recommended monitoring procedures	atmosphere or biologic of the ventilation or oth protective equipment. standards. Reference	ingredients with exposure limits, personal, workplace al monitoring may be required to determine the effectiveness er control measures and/or the necessity to use respiratory Reference should be made to appropriate monitoring to national guidance documents for methods for the dous substances will also be required.
Appropriate engineering controls	ventilation or other eng contaminants below an also need to keep gas,	e ventilation. Use process enclosures, local exhaust ineering controls to keep worker exposure to airborne y recommended or statutory limits. The engineering controls vapour or dust concentrations below any lower explosive proof ventilation equipment.
Environmental exposure controls	they comply with the re cases, fume scrubbers	tion or work process equipment should be checked to ensure quirements of environmental protection legislation. In some , filters or engineering modifications to the process ssary to reduce emissions to acceptable levels.
ndividual protection measures	2	

Section 8. Exposure controls/personal protection

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 EN 166 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.	
Skin protection		
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.	
	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	
	 and in 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. 	
	Wear suitable gloves tested to EN374. May be used, gloves(breakthrough time) 4 - 8 hours: neoprene, butyl rubber, nitrile rubber, PVC Recommended, gloves(breakthrough time) > 8 hours: Teflon, Viton®, 4H, polyvinyl alcohol (PVA)	
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	 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	: 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.	
	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.	

Section 9. Physical and chemical properties

<u>Appearance</u>		
Physical state	:	Liquid.
Colour	1	Colourless.
Odour	1	Not available.
Odour threshold	1	Not available.
pH	1	Not applicable.
Melting point	1	Not applicable.
Boiling point	1	Lowest known value: 136.1°C (277°F) (ethylbenzene). Weighted average: 195.52°C (383.9°F)
Flash point	1	Closed cup: 51°C (123.8°F)
Burning time	1	Not applicable.
Burning rate	1	Not applicable.
Evaporation rate	:	Highest known value: 0.84 (ethylbenzene) Weighted average: 0.28compared with butyl acetate
Flammability (solid, gas)	1	Not applicable.
Lower and upper explosive (flammable) limits	1	0.8 - 13%
Vapour pressure	1	Highest known value: 1.2 kPa (9.3 mm Hg) (at 20°C) (ethylbenzene). Weighted average: 0.27 kPa (2.03 mm Hg) (at 20°C)
Vapour density	1	Highest known value: 4.48 (Air = 1) (3-aminopropyldiethylamine). Weighted average: 3.81 (Air = 1)
Relative density	1	1.012 g/cm ³
Solubility	1	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	1	Not available.
Auto-ignition temperature	1	Lowest known value: 432°C (809.6°F) (xylene).
Decomposition temperature	1	Not available.
SADT	1	Not available.
Viscosity	1	Kinematic (40°C): >20.5 mm²/s (>20.5 cSt)
Aerosol product		

Section 10. Stability and reactivity

Hazardous decomposition products	 Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
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.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Chemical stability	: The product is stable.
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

	- 9			
Product/ingredient name	Result	Species	Dose	Exposure
benzyl alcohol	LD50 Oral	Rat	1230 mg/kg	-
xylene	LC50 Inhalation Vapour	Rat	20 mg/l	4 hours
-	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
m-xylene-alpha,alpha'- diamine	LD50 Oral	Rat	980 mg/kg	-
3-aminopropyldiethylamine	LD50 Oral	Rat	550 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	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
benzyl alcohol	Eyes - Mild irritant	Mammal - species unspecified	-	-	-
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

Product/ingredient name	Route of exposure	Species	Result
Carbomonocyclic alkylated mixtures of poly-aza- alkanes, hydrogenated	skin	Mammal - species unspecified	Sensitising
m-xylene-alpha,alpha'- diamine	skin	Mammal - species unspecified	Sensitising

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

<u>Specific target organ toxicity (single exposure)</u>

Name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

Name	Result
	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Section 11. Toxicological information

	8
Potential acute health effect	<u><u>S</u></u>
Eye contact	: Causes serious eye damage.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes severe burns. May cause an allergic skin reaction.
Ingestion	: Harmful if swallowed.
	vsical, chemical and toxicological characteristics
Inhalation	: No specific data.
Ingestion	: Adverse symptoms may include the following: stomach pains
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Eye contact	: Adverse symptoms may include the following: pain watering redness
Potential chronic health eff	<u>ects</u>
General	: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Dermal	675.7 mg/kg 12781.04 mg/kg 50.27 mg/l

Section 12. Ecological information

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

Persistence and degradability

Date of issue : 24.03.2022	9/12
----------------------------	------

Section 12. Ecological information

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

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
benzyl alcohol xylene m-xylene-alpha,alpha'-	0.87 3.12 0.18	<100 8.1 to 25.9 2.69	low low low
diamine ethylbenzene	3.6	-	low

Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
--	------------------

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimised wherever possible. 2 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 nonrecyclable 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.

Section 14. Transport information			
	UN	IMDG	ΙΑΤΑ
UN number	UN3469	UN3469	UN3469
UN proper shipping name	Paint related material, flammable, corrosive	Paint related material, flammable, corrosive. Marine pollutant (Carbomonocyclic alkylated mixtures of poly-aza- alkanes, hydrogenated)	Paint related material, flammable, corrosive
Transport hazard class(es)	3 (8)	3 (8)	3 (8)
Packing group	Ш	Ш	III
Environmental hazards	Yes. The environmentally hazardous substance mark is not required.	Yes.	Yes. The environmentally hazardous substance mark is not required.
Date of issue	: 24.03.2022	1	10/12

Section 14. Transport information

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.	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.	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.
Additional information	-	The marine pollutant mark is not required when transported in sizes of \leq 5 L or \leq 5 kg. Emergency schedules F-E, S-C	The environmentally hazardous substance mark may appear if required by other transportation regulations.

Transport in bulk according to IMO instruments	:	Not available.
ADR / RID	:	Tunnel restriction code: (E) Hazard identification number: 38
IMDG Code Segregation group	:	18 - Alkalis

Section 15. Regulatory information

Hazardous Substance Act B.E. 2535 (1992)

Type

Ingredient name

<u>Type</u>

<u>Authority</u>

Conditions

No known specific national and/or regional regulations applicable to this product (including its ingredients).

History		
Date of printing	1	24.03.2022
Date of issue/Date of revision	1	24.03.2022
Date of previous issue	1	03.03.2022
Version	1	1.09
Key to abbreviations	:	ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road 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 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail UN = United Nations LogPow = logarithm of the octanol/water partition coefficient
References	1	Not available.
Indicates information that has changed from previously issued version.		

Notice to reader

Section 16. Other information

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.

If there is any inconsistency between different language issues of this document, the English (United Kingdom) version will prevail.