SAFETY DATA SHEET



Jotamastic Smart Pack HB Alu Comp A

Section 1. Chemical product and company identification : Jotamastic Smart Pack HB Alu Comp A Product name **Product code** 36922 **Product type** : Liquid. **Product description** : Paint. Relevant identified uses of the substance or mixture and uses advised against Use in coatings - Industrial use Use in coatings - Professional use : 佐敦涂料(张家港)有限公司 **Supplier's details** 中国江苏扬子江国际化学工业园南海路39号 215634 电话:+86 512 58937988 传真:+86 512 58937986 Jotun Coatings (Zhangjiagang) Co. Ltd NO.39 Nanhai Road Jiangsu Yangtze River International Chemical Industry Park, Jiangsu Province 215634 China Tel: +86 512 58937988 Fax: +86 512 58937986 中远佐敦船舶涂料(青岛)有限公司 中国山东省青岛市高新区春阳路800号 总机电话: +86-532-68689888 总机传真: +86-532-66726750 Jotun COSCO Marine Coatings (Qingdao) Co. Ltd. No. 800, Chunyang Road, High-tech Zone, Qingdao, P. R. China Tel: +86-532-68689888 Fax: +86-532-66726750 SDSJotun@jotun.com **Emergency telephone** : Emergency Services for Chemical Incident of China. Tel: +86 532 83889090 number (with hours of

Section 2. Hazards identification

operation)

Classification of the substance or mixture according to GB 13690-2009 and GB 30000-2013

Classification of the substance or mixture	SERIOUS EYE DAM/ SKIN SENSITISATIO	RRITATION - Category 2 AGE/EYE IRRITATION - Category 2	
Date of issue/Date of revision	: 25.11.2024 Date of p	revious issue : 05.07.2024	Ve

Section 2. Hazards identification

GHS label elements		
Hazard pictograms	:	
Signal word	:	Warning.
Hazard statements	:	 H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements		
General	:	Not applicable.
Prevention	:	 P280 - Wear protective gloves. Wear eye or face protection. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P261 - Avoid breathing vapour.
Response	:	 P391 - Collect spillage. 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 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
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.
Physical and chemical hazards	:	Flammable liquid and vapour.
Health hazards	:	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Section 3. Composition/information on ingredients

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

Ingredient name	%	CAS number
epoxy resin (MW ≤ 700)	≤50	1675-54-3
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with fatty acids, C18-unsatd., dimers	≤25	67989-52-0
glycidyl ether of 3-alkyl phenol	≤10	68413-24-1
Phenol, methylstyrenated	≤5	68512-30-1
xylene	≤5	1330-20-7
hydrocarbons, C9, aromatics	≤3	64742-95-6
Date of issue/Date of revision : 25.11.2024 Date of previous issue :	: 05.07.2024	Version : 1.12 2/14

Section 3. Composition/information on ingredients

silane, trimethyoxy[3-(oxiranyl-methoxy)propyl]-

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.

<3

<1

2530-83-8

100-41-4

3/14

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

Section 4. First aid measures

Description of necessary fi	rst 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	: 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. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. 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 symptom	s/effects, acute and delayed
Potential acute health ef	fects
Eye contact	: Causes serious eye irritation.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Causes skin irritation. May cause an allergic skin reaction.
Ingestion	: No known significant effects or critical hazards.
Over-exposure signs/sy	nptoms
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 n	edical 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.
Date of issue/Date of revision	: 25.11.2024 Date of previous issue : 05.07.2024 Version : 1.12

Section 4. First aid measures

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. 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 : Use dry chemical, CO2, water spray (fog) or foam. media Unsuitable extinguishing : Do not use water jet. media Specific hazards arising : Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. from the chemical 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 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 may include the following materials: carbon dioxide decomposition products carbon monoxide halogenated compounds metal oxide/oxides **Special protective actions** : Promptly isolate the scene by removing all persons from the vicinity of the incident if for fire-fighters 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** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure equipment for fire-fighters mode.

Section 6. Accidental release measures

Methods and material for containment and cleaning up

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. Collect spillage.

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 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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
xylene	GBZ 2.1 (China, 11/2022). [Xylene]
	PC-STEL: 100 mg/m ³ 15 minutes. PC-TWA: 50 mg/m ³ 8 hours.
ethylbenzene	GBZ 2.1 (China, 11/2022).
	PC-TWA: 100 mg/m ³ 8 hours. PC-STEL: 150 mg/m ³ 15 minutes.

Biological exposure indices

Section 8. Exposure controls/personal protection

Ingredient name			Exposure indices		
xylene			GBZ 2.1 (China, 11/2 BEI: 0.4 g/L, methylh Sampling time: end of BEI: 0.3 g/g Cr, meth urine]. Sampling time:	hippuric acids [work shift. hylhippuric acid	ds [in
ethylbenzene			GBZ 2.1 (China, 11/2 BEI: 0.8 g/g Cr, man phenylglyoxylic acid (I Sampling time: end of	delic acid and MA and PGA)	[in urine
Appropriate engineering controls	ventilation or other contaminants belo	engineering con w any recommen gas, vapour or du	Use process enclosures trols to keep worker expo ded or statutory limits. T ust concentrations below on equipment.	sure to airborr he engineering	ne g contro
Environmental exposure controls	they comply with tl cases, fume scrub	ne requirements of bers, filters or en	process equipment shoul of environmental protection gineering modifications to ace emissions to accepta	on legislation. the process	
ndividual protection measu	res				
Hygiene measures	eating, smoking an Appropriate techni Contaminated wor	nd using the lavat ques should be u k clothing should ning before reusir	proughly after handling ch ory and at the end of the sed to remove potentially not be allowed out of the ng. Ensure that eyewash n location.	working period contaminated workplace. W	l. ⊨clothin /ash
Eye/face protection	assessment indica gases or dusts. If	tes this is necess contact is possib	6321-1:2022 should be us sary to avoid exposure to le, the following protection higher degree of protection	liquid splashe n should be wo	s, mists orn,
Skin protection	0.00				
Hand protection	resistance to any i The breakthrough The instructions and storage, maintena Gloves should be material. Always ensure that correctly. The performance damage and poor Barrier creams mat applied once expo	ndividual or comb time must be gre nd information pro- replaced regularly t gloves are free or effectiveness of maintenance. by help to protect sure has occurre		e of the produ facturer on us of damage to ti y are stored ar red by physical	ct. e, ne glove nd used /chemic
	mm), neoprene (>	es(breakthrough 0.35 mm), butyl i oves(breakthroug	time) 4 - 8 hours: polyvin ubber (> 0.4 mm), PVC (gh time) > 8 hours: 4H/Sil	> 0.5 mm)	, ,
			with focus on chemical re oplier of chemical resistar		ime of
	The user must che	eck that the final of the final of the terminate and	choice of type of glove se takes into account the p	lected for hand	
ate of issue/Date of revision		of previous issue	: 05.07.2024	Version :1	.12 6

Section 8. Exposure controls/personal protection

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

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

<u>Appearance</u>			
Physical state	1	Liquid.	
Colour	4	Aluminium, ,Aluminium red toned	
Odour	1	Characteristic. [Strong]	
Odour threshold	1	Not applicable.	
рН	1	Not applicable.	
Melting point/freezing point	:	Not applicable.	
Boiling point, initial boiling point, and boiling range	:	Lowest known value: 136.16°C (277.1°F) (xylene). Weighted average: 267.47°C (513.4°F)	
Flash point	:	Closed cup: 44°C (111.2°F)	
Evaporation rate	:	0.77 (xylene) compared with butyl acetate	
Flammability	:	Not applicable.	
Lower and upper explosion limit/flammability limit	1	Greatest known range: Lower: 1.4% Upper: 7.6% (hydrocarbons, C9, aromatics)	
Vapour pressure	: Highest known value: 0.9 kPa (6.7 mm Hg) (at 20°C) (xylene). Weighted 0.09 kPa (0.68 mm Hg) (at 20°C)		
Relative vapour density	1	Highest known value: 11.7 (Air = 1) (epoxy resin (MW \leq 700)). Weighted average: 10.87 (Air = 1)	
Density	:	1.326 to 1.342 g/cm ³	
Solubility(ies)	:		
Media		Result	
cold water hot water		Not soluble Not soluble	
Solubility in water	:	Not available.	
Partition coefficient: n-	:	Not available.	
octanol/water			
Auto-ignition temperature		Lowest known value: 280 to 470°C (536 to 878°F) (hydrocarbons, C9, aromatics).	
Decomposition temperature		Not available.	
Viscosity	÷	Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)	
Particle characteristics			
Median particle size	4	Not applicable.	
No additional information.			

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	: Reactive or incompatible with the following materials: oxidising materials
Hazardous decomposition products	 Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
epoxy resin (MW ≤ 700)	LD50 Dermal	Rabbit	20 g/kg	-
	LD50 Oral	Mouse	15600 mg/kg	-
xylene	LC50 Inhalation Vapour	Rat	11 mg/l	4 hours
	LD50 Oral	Rat	4300 mg/kg	-
	TDLo Dermal	Rabbit	4300 mg/kg	-
ethylbenzene	LC50 Inhalation Vapour	Rat - Male	11 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	3500 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
epoxy resin (MW ≤ 700)	Eyes - Severe irritant	Rabbit	-	24 hours 2 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
Phenol, methylstyrenated	Skin - Mild irritant	Mammal - species unspecified	-	-	-
xylene	Eyes - Mild irritant Skin - Mild irritant	Rabbit Rat	- -	87 milligrams 8 hours 60 microliters	-
silane, trimethyoxy[3- (oxiranyl-methoxy)propyl]-	Eyes - Irritant	Mammal - species unspecified	-	-	-

Sensitisation

Product/ingredient name	Route of exposure	Species	Result	
epoxy resin (MW ≤ 700)	skin	Mammal - species unspecified	Sensitising	
glycidyl ether of 3-alkyl phenol	skin	Mammal - species unspecified	Sensitising	
Phenol, methylstyrenated	skin	Mammal - species unspecified	Sensitising	

Mutagenicity

Not available.

Section 11. Toxicological information

Carcinogenicity

Not available.

Classification

Product/ingredient name	IARC
epoxy resin (MW ≤ 700)	3
ethylbenzene	2B

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
xylene	Category 3	-	Respiratory tract irritation
hydrocarbons, C9, aromatics	Category 3	-	Respiratory tract irritation
	Category 3		Narcotic effects

Specific target organ toxicity (repeated exposure)

Product/ingredient name		Route of exposure	Target organs
ethylbenzene	Category 2	-	-

Aspiration hazard

Product/ingredient name	Result
hydrocarbons, C9, aromatics	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Information on likely routes of exposure	Not available.	
Potential acute health effects		
Eye contact	Causes serious eye irritation.	
Inhalation	No known significant effects or critical hazards.	
Skin contact	Causes skin irritation. May cause an allergic skin reaction.	
Ingestion	No known significant effects or critical hazards.	
Eye contact	cal, chemical and toxicological characteristics 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.	

Delayed and immediate effects as well as chronic effects from short and long-term exposure Short term exposure

Date of issue/Date of revision

Section 11. Toxicological information

	Potential immediate effects	:	Not available.
	Potential delayed effects	:	Not available.
1	Long term exposure		
	Potential immediate effects	:	Not available.
	Potential delayed effects	:	Not available.
1	Potential chronic health effe	ct	<u>8</u>
	Not available.		
	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.
	Reproductive toxicity	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/ kg)	 (gases)	(mg/l)	Inhalation (dusts and mists) (mg/l)
Jotamastic Smart Pack HB Alu Comp A xylene	N/A N/A	N/A N/A		N/A N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
epoxy resin (MW ≤ 700)	Acute EC50 1.4 mg/l	Daphnia	48 hours
	Acute LC50 3.1 mg/l	Fish - pimephales promelas	96 hours
	Chronic NOEC 0.3 mg/l	Fish	21 days
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
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
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
epoxy resin (MW ≤ 700) xvlene	-	-	Not readily Readily
hydrocarbons, C9, aromatics silane, trimethyoxy[3-	-	-	Not readily Not readily
(oxiranyl-methoxy)propyl]- ethylbenzene	-	-	Readily

Bioaccumulative potential

Date of issue/Date of revision

Section 12. Ecological information

Product/ingredient name	LogPow	BCF	Potential	
epoxy resin (MW ≤ 700)	2.64 to 3.78	31	low	
Phenol, methylstyrenated	3.627	-	low	
xylene	3.12	8.1 to 25.9	low	
hydrocarbons, C9, aromatics	-	10 to 2500	high	
ethylbenzene	3.6	-	low	

Mobility in soil

Soil/water partition : N 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. 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.

Section 14. Transport information UN IMDG ΙΑΤΑ China **UN number** UN1263 UN1263 UN1263 UN1263 Paint Paint **UN proper** Paint. Marine pollutant Paint shipping name (epoxy resin (MW ≤ 700)) **Transport hazard** 3 3 3 3 class(es) ш Ш Ш ш Packing group Yes. The Yes. The Yes. Yes. The **Environmental** environmentallv environmentallv environmentallv hazards hazardous substance hazardous substance hazardous substance mark is not required. mark is not required. mark is not required. Additional information IMDG : The marine pollutant mark is not required when transported in sizes of ≤ 5 L or ≤ 5 kg. Emergency schedules F-E, S-E ΙΑΤΑ : The environmentally hazardous substance mark may appear if required by other transportation regulations. ADR / RID Tunnel restriction code: (D/E) Hazard identification number: 30

Section 14. Transport information

•		
Marking	-	The environmental hazardous / marine pollutant mark is only applicable for packages containing more than 5 litres for liquids and 5 kg for solids.
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.
Extinguishing media		
Suitable extinguishing media	1	Use dry chemical, CO_2 , water spray (fog) or foam.
Unsuitable extinguishing media	1	Do not use water jet.
Incompatible materials	-	Reactive or incompatible with the following materials: oxidising materials
Transport in bulk according to IMO instruments	:	Not available.

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product:

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

Regulations on the Control over Safety of Dangerous Chemicals Measures for Environmental Management of New Chemical Substances Law of the People's Republic of China on the Prevention and Control of Environment Pollution Caused by Solid Wastes Safety regulations for the use of chemicals in the workplace General Rule for Classification and Hazard Communication of Chemicals

Classification and code of dangerous goods

List of Goods banned for Importing

None of the components are listed.

Drug Precursors Requiring an Import/Export License

None of the components are listed.

Inventory of Hazardous Chemicals

Ingredient name	CAS number		Reference number
xylene	1330-20-7	Listed	358
ethylbenzene	100-41-4	Listed	2566

List of Explosive Precursors

Ingredient name	CAS number		Reference number
Aluminium powder (stabilized)	7429-90-5	Listed	7.6

List of Goods banned for Exporting

None of the components are listed.

List of Toxic Chemicals Severely Restricted for Importing & Exporting by China

None of the components are listed.

Catalogue and classification of drug precursor chemicals

None of the components are listed.

Inventory of highly toxic articles

None of the components are listed.

Catalogue of Hazardous Chemicals of Priority Management

Section 15. Regulatory information

None of the components are listed.

Catalogue of Occupational Disease Hazard Factors - Dust

Ingredient name	Status
limestone	Listed
Aluminium powder (stabilized)	Listed

Catalogue of Occupational Disease Hazard Factors - Chemical Factors

Ingredient name	Status
xylene	Listed

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Section 16. Other information

History : 25.11.2024 **Date of printing** : 25.11.2024 Date of issue/Date of revision : 05.07.2024 Date of previous issue Version : 1.12 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 = Intermediate 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) N/A = Not available SGG = Segregation Group UN = United Nations

Procedure used to derive the classification

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN CORROSION/IRRITATION - Category 2	Calculation method
SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A	Calculation method
SKIN SENSITISATION - Category 1	Calculation method
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2	Calculation method

References

: Not available.

V 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.