

SAFETY DATA SHEET Permabond ET530A

SECTION 1: Identification of t	he substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Permabond ET530A
1.2. Relevant identified uses of	of the substance or mixture and uses advised against
Identified uses	Two-component, epoxy-based adhesive.
1.3. Details of the supplier of t	the safety data sheet
Supplier	Permabond Engineering Adhesives GmbH Niederkasseler Lohweg 18 40547 Düsseldorf Germany info.europe@permabond.com
Manufacturer	Permabond Engineering Adhesives Ltd. Wessex Way Colden Common Winchester Hampshire SO21 1WP United Kingdom Tel: +44 (0)1962 711 661 Fax: +44 (0)1962 711 662 info@permabond.co.uk
1.4. Emergency telephone nu	mber
Emergency telephone	CHEMTREC UK: +(44)-870-8200418 CHEMTREC US: 800-424-9300 (CCN: 829878)
	CHEMTREC UK: +(44)-870-8200418 CHEMTREC US: 800-424-9300 (CCN: 829878) CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034
National emergency telephone	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034
National emergency telephone number	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034
National emergency telephone number SECTION 2: Hazards identific 2.1. Classification of the subst Classification (EC 1272/2008)	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation
National emergency telephone number SECTION 2: Hazards identific 2.1. Classification of the subst Classification (EC 1272/2008) Physical hazards	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation tance or mixture Not Classified
National emergency telephone number SECTION 2: Hazards identific 2.1. Classification of the subst Classification (EC 1272/2008) Physical hazards Health hazards	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation tance or mixture Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
National emergency telephone number SECTION 2: Hazards identified 2.1. Classification of the subst Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation tance or mixture Not Classified
National emergency telephone number SECTION 2: Hazards identific 2.1. Classification of the subst Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards 2.2. Label elements	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation tance or mixture Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
National emergency telephone number SECTION 2: Hazards identified 2.1. Classification of the subst Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards	e CHEMTREC Ireland: +(353)-19014670 CHEMTREC Australia: +(61)-290372994 CHEMTREC New Zealand: +(64)-98010034 ation tance or mixture Not Classified Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352a IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental label information	EUH205 Contains epoxy constituents. May produce an allergic reaction.
Contains	EPOXY RESIN (Number average MW <= 700), FORMALDEHYDE, OLIGOMERIC REACTION PRODUCT WITH 1-CHLORO, 2,3-EPOXYPROPANE AND PHENOL, REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2- (CHLOROMETHYL)OXIRANE
Supplementary precautionary statements	 P264 Wash contaminated skin thoroughly after handling. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P391 Collect spillage. P501 Dispose of contents/container in accordance with existing Community, National and local regulations.

2.3. Other hazards

None under normal conditions. This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EPOXY RESIN (Number average	MW <= 700)	30-60%
CAS number: 1675-54-3	EC number: 216-823-5	REACH registration number: 01- 2119456619-26-XXXX
Classification		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
Skin Sens. 1 - H317		
Aquatic Chronic 2 - H411		40.000/
REACTION PRODUCTS OF HEX (CHLOROMETHYL)OXIRANE	ANE-1,6-DIOL WITH 2-	10-30%
REACTION PRODUCTS OF HEX	ANE-1,6-DIOL WITH 2- EC number: 618-939-5	10-30% REACH registration number: 01- 2119463471-41-XXXX
REACTION PRODUCTS OF HEX (CHLOROMETHYL)OXIRANE		REACH registration number: 01-
REACTION PRODUCTS OF HEX (CHLOROMETHYL)OXIRANE CAS number: 933999-84-9		REACH registration number: 01-
REACTION PRODUCTS OF HEX (CHLOROMETHYL)OXIRANE CAS number: 933999-84-9 Classification		REACH registration number: 01-
REACTION PRODUCTS OF HEX (CHLOROMETHYL)OXIRANE CAS number: 933999-84-9 Classification Skin Irrit. 2 - H315		REACH registration number: 01-

10-30%

Permabond ET530A

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCT WITH 1-CHLORO, 2,3-EPOXYPROPANE AND PHENOL

CAS number: 9003-36-5

EC number: 500-006-8

REACH registration number: 01-2119454392-40-XXXX

Classification

Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid me	asures
Inhalation	Move the exposed person to fresh air. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. If symptoms develop, obtain medical attention
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
4.2. Most important symptoms	and effects, both acute and delayed
Skin contact	Skin irritation. Mild dermatitis, allergic skin rash.
Eye contact	Irritating and may cause redness and pain.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	No specific recommendations. Treat symptomatically.
SECTION 5: Firefighting meas	sures
5.1. Extinguishing media	
Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from	om the substance or mixture
Hazardous combustion products	Burning produces irritating, toxic and obnoxious fumes. Nitrous gases (NOx). Carbon monoxide, carbon dioxide, and unknown hydrocarbons.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precaution	<u>S</u>
Environmental precautions	Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for	
Methods for cleaning up	Absorb spillage with sand or other inert absorbent. Transfer to suitable, labelled containers for disposal. Wash area with soap and water.
6.4. Reference to other section	uns
Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13.
SECTION 7: Handling and sto	orage
7.1. Precautions for safe hand	dling
Usage precautions	Avoid contact with skin and eyes. Do not ingest or inhale. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage	ge, including any incompatibilities
Storage precautions	Store in closed original container at temperatures between 5°C and 25°C.
7.3. Specific end use(s)	
Specific end use(s)	Adhesive. Sealant.
SECTION 8: Exposure control	ols/Personal protection
8.1. Control parameters	
	EPOXY RESIN (Number average MW <= 700) (CAS: 1675-54-3)
DNEL	Workers - Inhalation; Long term systemic effects: 12.25 mg/m ³
	Workers - Dermal; Long term systemic effects: 8.33 mg/kg/day
	Workers - Inhalation; Short term systemic effects: 12.25 mg/m ³ Workers - Dermal; Short term systemic effects: 8.33 mg/kg/day
PNEC	- Fresh water; Long term 0.006 mg/l
FNEO	- Sediment (Freshwater); Long term 0.996 mg/l
	- Sediment (Marinewater); 0.0996 mg/l
	- STP; Long term 10 mg/l
	- Soil; Long term 0.196 mg/l
	- marine water; 0.0006 mg/l
	- Water; 0.0018 mg/l
FORMALDE	HYDE, OLIGOMERIC REACTION PRODUCT WITH 1-CHLORO, 2,3-EPOXYPROPANE AND
	PHENOL (CAS: 9003-36-5)
DNEL	Workers - Dermal; Short term local effects: 8.3 ppm
	Workers - Dermal; Long term systemic effects: 104.15 mg/kg/day
	Workers - Inhalation; Long term systemic effects: 29.39 mg/m ³
PNEC	Fresh water; 0.003 mg/l
	marine water; 0.0003 mg/l
	Sediment (Freshwater); 0.294 mg/kg
	Sediment (Marinewater); 0.0294 mg/kg
	Soil; 0.237 mg/kg
	Intermittent release; 0.0254 mg/l
	STP; 10 mg/l
REACTION PF	RODUCTS OF HEXANE-1,6-DIOL WITH 2- (CHLOROMETHYL)OXIRANE (CAS: 933999-84-9)

DNEL	Workers - Inhalation; Long term systemic effects: 10.57 mg/m ³ Workers - Inhalation; Short term systemic effects: 10.57 mg/m ³ Workers - Inhalation; Long term local effects: 0.44 mg/m ³ Workers - Dermal; Long term systemic effects: 6 mg/kg/day Workers - Dermal; Long term local effects: 22.6 µg/cm2
PNEC	Fresh water; 0.011 mg/l marine water; 0.001 mg/l STP; 1 mg/l Sediment (Freshwater); 0.283 mg/kg, dw Sediment (Marinewater); 0.028 mg/kg, dw Soil; 0.223 mg/kg, dw

8.2. Exposure controls





Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	The following protection should be worn: Chemical splash goggles or face shield. Personal eye protection should conform to EN 166
Hand protection	It is recommended that chemical-resistant, impervious gloves are worn. Gloves should conform to EN 374. For exposure up to 4 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 0.5 hours. For exposure up to 8 hours, wear gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.4 mm The selected gloves should have a breakthrough time of at least 8 hours. The breakthrough time for any glove material may be different for different glove manufacturers. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.
Other skin and body protection	Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Use of good industrial hygiene practices is required.
Respiratory protection	Ensure adequate ventilation of the working area. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Organic vapour filter. Type A. (EN14387)

SECTION 9: Physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Mild.

Odour threshold	Not available.
рН	Not available.
Melting point	Not determined.
Initial boiling point and range	Not applicable.
Flash point	>100°C
Evaporation rate	Not available.
Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not determined.
Vapour density	Not available.
Relative density	1.1
Solubility(ies)	Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not available.
Viscosity	≈800 mPa s @ 23°C
Explosive properties	Not determined.
Oxidising properties	Not determined.
9.2. Other information	
Other information	Not relevant.
SECTION 10: Stability and rea	activity
10.1. Reactivity	
Reactivity	Under normal conditions of storage and use, no hazardous reactions will occur.
10.2. Chemical stability	
Stability	Stable at normal ambient temperatures.
10.3. Possibility of hazardous	reactions
Possibility of hazardous reactions	Reactions with the following materials may generate heat: Amines.
10.4. Conditions to avoid	
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.
10.6. Hazardous decomposition	on products
Hazardous decomposition products	Thermal decomposition could produce carbon monoxide, carbon dioxide, and unidentified organic compounds.
SECTION 11: Toxicological int	formation

11.1. Information on toxicological effects

Toxicological effects	The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.
Skin sensitisation	
Skin sensitisation	May cause sensitisation by skin contact.
Aspiration hazard	
Aspiration hazard	None under normal conditions.
Inhalation	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature. In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Irritating to skin.
Eye contact	Irritating and may cause redness and pain.

Toxicological information on ingredients.

EPOXY RESIN (Number average MW <= 700)

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	11,400.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD₅ mg/kg)	2,000.1
Species	Rabbit
Acute toxicity - inhalation	
Notes (inhalation LC∞)	No specific test data are available.
Skin corrosion/irritation	
Skin corrosion/irritation	Not irritating.
Animal data	Oedema score: Very slight oedema - barely perceptible (1).
Serious eye damage/irritati	on
Serious eye	Not irritating.
damage/irritation	
damage/imitation Respiratory sensitisation	
-	No specific test data are available.
Respiratory sensitisation	No specific test data are available.
Respiratory sensitisation Respiratory sensitisation	No specific test data are available. Local Lymph Node Assay (LLNA) - Mouse: Sensitising.
Respiratory sensitisation Respiratory sensitisation Skin sensitisation	
Respiratory sensitisation Respiratory sensitisation Skin sensitisation Skin sensitisation	

Carcinogenicity	Conclusive data but not sufficient for classification.	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.	
Reproductive toxicity		
Reproductive toxicity - fertility	Fertility - NOAEL 750 mg/kg/day, Oral, Rat	
Reproductive toxicity - development	Developmental toxicity: - NOAEL: 180 mg/kg/day, Oral, Rat	
Specific target organ toxici	ty - single exposure	
STOT - single exposure	No specific test data are available.	
Specific target organ toxici	ty - repeated exposure	
STOT - repeated exposure	Conclusive data but not sufficient for classification.	
Aspiration hazard		
Aspiration hazard	Based on available data the classification criteria are not met.	
REACTION PR	RODUCTS OF HEXANE-1,6-DIOL WITH 2- (CHLOROMETHYL)OXIRANE	
Acute toxicity - oral		
Acute toxicity oral (LD₅₀ mg/kg)	3,526.0	
Species	Rat	
Acute toxicity - dermal		
Notes (dermal LD₅₀)	NOEL 2000 mg/kg, Dermal, Rat	
Acute toxicity - inhalation		
Notes (inhalation LC ₅₀)	NOEC 0.035 mg/l, 4 hours, Vapour Rat	
Skin corrosion/irritation		
Animal data	Irritating.	
Serious eye damage/irritati	ion	
Serious eye damage/irritation	Method: OECD 405, Rabbit Moderately irritating.	
Skin sensitisation		
Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.	
Germ cell mutagenicity		
Genotoxicity - in vitro	Gene mutation: Positive.	
Genotoxicity - in vivo	DNA damage and/or repair: Negative.	
Carcinogenicity		
Carcinogenicity	No information available.	
Reproductive toxicity		
Reproductive toxicity - fertility	No information available.	

Reproductive toxicity - development	Developmental toxicity: - NOAEL: 300 mg/kg/day, Oral, Rat		
Specific target organ toxicit	y - single exposure		
STOT - single exposure	No information available.		
Specific target organ toxicit	y - repeated exposure		
STOT - repeated exposure	re No information available.		
Aspiration hazard			
Aspiration hazard	No information available.		
FORMALDEHYDE, OLIO	GOMERIC REACTION PRODUCT WITH 1-CHLORO, 2,3-EPOXYPROPANE AND		
	PHENOL		
Acute toxicity - oral			
Acute toxicity oral (LD₅₀ mg/kg)	10,000.0		
Species	Rat		
Acute toxicity - dermal			
Acute toxicity dermal (LD₅₀ mg/kg)	2,000.1		
Species	Rat		
Acute toxicity - inhalation			
Notes (inhalation LC₅₀)	otes (inhalation LC ₅₀) No information available.		
Skin corrosion/irritation			
Animal data	Method: OECD 404, Rabbit Slightly irritating.		
Serious eye damage/irritati	on		
Serious eye damage/irritation	Method: OECD 405, Rabbit Not irritating.		
Skin sensitisation			
Skin sensitisation	Local Lymph Node Assay (LLNA) - Mouse: Sensitising.		
Germ cell mutagenicity			
Genotoxicity - in vitro	Gene mutation: Positive.		
Genotoxicity - in vivo	Chromosome aberration: Negative.		
Carcinogenicity			
Carcinogenicity	Data lacking.		
Reproductive toxicity			
Reproductive toxicity - fertility	Read-across data. Two-generation study - NOAEL 750 mg/kg/day, Oral, Rat F2		
Reproductive toxicity - development	Read-across data. Developmental toxicity: - NOAEL: 30 mg/kg, Dermal, Rabbit		
Specific target organ toxicity - single exposure			
STOT - single exposure	No information available		

STOT - single exposure No information available.

	Specific target organ toxicity - repeated exposure		
	STOT - repeated exposure No information available.		
	Aspiration hazard		
	Aspiration hazard	Not available.	
SECTION 1	12: Ecological information	1	
Ecotoxicity	Тохі	Toxic to aquatic life with long lasting effects.	
12.1. Toxici	Foxicity		
Toxicity	The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation 1272/2008/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.		
Ecological i	nformation on ingredient	<u>S.</u>	
EPOXY RESIN (Number average MW <= 700)			
	Acute aquatic toxicity		
	Acute toxicity - fish	LC₅₀, 24 hours: 4.4 mg/l, Oncorhynchus mykiss (Rainbow trout)	
	Acute toxicity - aquatic invertebrates	LC₅₀, 24 hours: 4.9 mg/l, Daphnia magna	
	Acute toxicity - aquatic plants	EC₅₀, 48 hours: 9.1 mg/l, Selenastrum capricornutum	
	Acute toxicity - microorganisms	IC₅₀, 3 hours: > 100 mg/l, Activated sludge	
	Chronic aquatic toxicity	<u>,</u>	
	Chronic toxicity - aquat invertebrates	ic NOEC, 21 days: 0.3 mg/l, Daphnia magna	
	REACTION PRODUCTS OF HEXANE-1,6-DIOL WITH 2- (CHLOROMETHYL)OXIRANE		
	Acute aquatic toxicity		
	Acute toxicity - fish	LC₅₀, 96 hours: 30 mg/l, Oncorhynchus mykiss (Rainbow trout)	
	Acute toxicity - aquatic invertebrates	EC₅₀, 48 hours: 39 - 57 mg/l, Daphnia magna	
	Acute toxicity - aquatic plants	EC₅₀, 48 hours: 23.1 mg/l, Pseudokirchneriella subcapitata	
	Acute toxicity - microorganisms	IC₅₀, 180 minutes: >100 mg/l, Activated sludge	
	FORMALDEHYDE, OLIGOMERIC REACTION PRODUCT WITH 1-CHLORO, 2,3-EPOXYPROPANE AND PHENOL		
	Acute aquatic toxicity		
	Acute toxicity - fish	LC₅₀, 96 hours: 2.54 mg/l, Leuciscus idus (Golden orfe)	

invertebrates

Acute toxicity - a plants	quatic EC₅₀, 72 hours: 1.8 mg/l, Algae	
12.2. Persistence and degrad	ability	
Persistence and degradability	The product is not readily biodegradable.	
Ecological information on ingr	edients.	
	EPOXY RESIN (Number average MW <= 700)	
Biodegradation	Water - 6 - 12%: 28 days	
12.3. Bioaccumulative potentia		
Partition coefficient	Not applicable.	
Ecological information on ingr	edients.	
	EPOXY RESIN (Number average MW <= 700)	
Bioaccumulative	potential BCF: 100 - 3000,	
Partition coefficie	Int log Pow: 3.242	
12.4. Mobility in soil		
Mobility	No data available. The product has poor water-solubility.	
Ecological information on ingr	edients.	
	EPOXY RESIN (Number average MW <= 700)	
Adsorption/desorption Water - log Koc: 2.65 @ 20°C coefficient		
12.5. Results of PBT and vPvB assessment Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current EU criteria. assessment		
12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal consid	lerations	
13.1. Waste treatment method	ls	
General information	Waste disposal should be in accordance with existing Community, National and local regulations Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.	
Disposal methods	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.	
Waste class	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances.	
SECTION 14: Transport inform	nation	
Road transport notes	Applies only to inner containers >5 litres. See SP 375	
	Applies only to inner containers >5 litres. See 2.10.2.7 of the IMDG code.	
Sea transport notes		

14.1. UN number

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains Epoxy resin)

14.3. Transport hazard class(es)

9

Transport labels

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14.4. Packing group

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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS

Tunnel restriction code

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

F-A, S-F

(E)

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	03/08/2021
Revision	5
Supersedes date	18/11/2019
Hazard statements in full	 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. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.