



PRODUCT SAFETY DATA SHEET

Last date revision: 13/05/2015

EPOXY-PRIMER (B)

According to Regulation (EU) No. 1907 / 2006 (REACH) and the Regulation (EU) No. 453/2010

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier.

CEMENTFABRIKEN® EPOXY-PRIMER (B)

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

Uses:

Priming product, adhesion promoter product for self-levelling flooring (Check TDS). Exclusive professional use.

Uses advised against: Any use not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet.

Company: Cementfabriken Scandinavia AB

Address: Råsundavägen 133A

169 50 Solna, Sweden

Telephone: 0046 8 128 195 95

e-mail: info@cementfabriken.se

1.4 Emergency phone number.

Office hours 8:00-18:00: 0046 8 128 195 95

National Poison Control Centre: 112

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture.

Product definition: Mixture

Classification according to Directive 1999/45/EC [DPD]

This product is not classified as dangerous according to Directive 1999/45/CE and its amendments.

Classification: Xi; R36/38

R43

N; R51/53

Human health hazards: Irritating to eyes and skin. May cause sensitisation by skin contact.

Environmental hazards: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

See section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements.

Hazard symbol or symbols:

Indication of danger:

Irritant, Dangerous for the environment.

Risk phrases Safety:

R36/38 – Irritating to eyes and skin

R43 – May cause sensitisation by skin contact.

R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

S24 – Avoid contact with skin

S37 – Wear suitable gloves

S61 – Avoid release to the environment. Refer to special instructions/safety data sheet.

Hazardous ingredients:

Reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight < 700)



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p-tert-butylphenyl 1-(2,3-epoxy) propyl ether

Supplemental label elements: Not applicable.

Supplemental label elements: 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3epoxypropane, reaction products adduct with 3-aminomethyl-3,5,5-trimethylcyclohexylamine and mphenylenebis(methylamine) Phenol, 4-4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3trimethylcyclohexanemethanamine, 1,3-benzenedimethanamine and (chloromethyl)oxirane.

Special packaging requirements

Containers to be fitted with child-resistant fastenings: Not applicable

Tactile warning of danger: Not applicable

2.3 Other hazards.

No information available

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTES

Substance/mixture: Mixture

Product/ingredient name	Identifiers	%	Classification 67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Type
Reaction product: Bisphenol A- (epichlorhydrin); epoxy resin (number average molecular weight < 700)	CAS: 25068-38-6 RRN: 01-211945661926	60-100	Xi; R36/38 R43 N; R51/53	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411	[1]
p-tert-butylphenyl 1(2,3-epoxy)propyl ether	CAS: 3101-60-8 EC: 221-453-2	7-13	Xi; R36/38 R43 R52/53 See section 16 for the full text of the R-phrases declared above	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 See Section 16 for the full text of the H statements declared above	[1]

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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006 Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006 Annex XIII Occupational exposure limits, if available, are listed in Section 8.



SECTION 4. FIRST AIR MEASURES

4.1. Description of first air 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. 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. Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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.

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.

4.2. Most important symptoms and effects, both acute and delayed

Potential acute health effects

Eye contact: Irritating to eyes.

Inhalation: No known significant effects or critical hazards.

Skin contact: Irritating to skin. May cause sensitisation by skin contact

Ingestion: Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following: irritation, watering, redness.

Inhalation: No specific data

Skin contact: Adverse symptoms may include the following: irritation, redness.

Ingestion: No specific data

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments: Symptomatic treatment and supportive therapy as indicated. Following severe exposure, the patient should be kept under medical review for at least 48 hours.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.



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Unsuitable extinguishing media: None known

5.2. Special hazards arising from the substance or mixture Hazards from the substance or mixture:

In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products:

Decomposition products may include the following materials. Carbon dioxide, carbon monoxide.

5.3. Advice for firefighters

Special precautions 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. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 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. 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 specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also Section 8 for additional information on hygiene measures.

6.2. Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3. Methods and materials for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if watersoluble. Alternatively, 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. 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. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.



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6.4. Reference to other sections:

See section 1 for emergency contact information.

See section 8 for information on appropriate personal protective equipment.

See section 13 for additional waste treatment information.

SECTION 7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

7.1. Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Refer to special instructions/safety data sheet. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Not applicable.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities

Store between the following temperatures: 2 to 40°C (35.6 to 104 °F). Store in accordance with local regulations. 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. 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. Use appropriate containment to avoid environmental contamination.

Store hazard class Huntsman Advanced Materials: Storage class 10, Environmental hazardous liquids.

7.3. Specific end use(s)

Recommendations: Not available

Industrial sector specific solutions: Not available

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits: No exposure limit value known.

Recommended monitoring procedure: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Derived effect levels: No DELs available



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Predicted effect concentrations: No PECs available

8.2 Exposure Controls

Appropriate engineering controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Individual protection measures:

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 with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

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.

Material of gloves for long term application (BTT>480 min): Butyl rubber, Ethyl Vinyl Alcohol Laminate (EVAL) *Material of gloves for short term/splash application (10min<BTT<480min):* Nitrile rubber, neoprene *(BTT = Break Through Time)

Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US). Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove supplier. Additional information can be found for instance at www.gisbau.de.

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.

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. In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties Appearance:

Physical state:	Liquid
Colour:	Colourless
Odour:	Slight
Odour threshold:	Not available.
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	> 200°C



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Flash point:

Closed cup: 190°C [DIN 51758 EN 22719 (Penkys-Martens Closed Cup)]

Open cup: 200°C

Evaporation rate: Not available.
Flammability (solid, gas): Not available
Burning time: Not applicable
Burning rate: Not applicable
Upper/lower flammability or explosive limits: Not available
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: Not available.
Solubility (ies)

Water solubility: practically insoluble; 20 deg C

Partition coefficient: n-octanol/water (LogKow): Not available

Auto-ignition temperature: >400°C

Decomposition temperature: >200°C

Viscosity: Dynamic 2700 to 3800 mPa s 25 deg C

Explosive properties: Not available

Oxidising properties: Not available

9.2. Other information

Density: 1.15 g/cm³

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

The product is stable

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

No specific data.

10.5 Incompatible materials

Strong acids, strong bases, strong oxidising agents.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Decomposition products may include the following materials: Carbon oxides, Burning produces obnoxious and toxic fumes.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:



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Product/ingredient name	Endpoint	Species	Result	Exposure
Reaction product: bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700)	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
	LC0 Inhalation Vapour	Rat - Male	0.00001 ppm	5 hours
	LD50 Dermal	Rat - Male,	>2000 mg/kg	-
	LD50 Oral	Female Rat - Female	>2000 mg/kg	-

Irritation/Corrosion

Product/ingredient name	Test	Species	Route of exposure	Result
Reaction product: bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 404 Acute Dermal Irritation/Corrosion	Rabbit	Skin	Mild irritant
	OECD 405 Acute Eye Irritation/Corrosion	Rabbit	Eyes	Mild irritant

Conclusion/summary

Skin. reaction product: Bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700): Slightly irritating to the skin. p-tert-butylphenyl 1-(2,3-epoxy)propyl ether: No known significant effects or critical hazards.

Eyes reaction product: Bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700): Slightly irritating to eyes. p-tert-butylphenyl 1-(2,3-epoxy)propyl ether: No known significant effects or critical hazards.

Respiratory. reaction product: Bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700): No known significant effects or critical hazards p-tert-butylphenyl 1-(2,3-epoxy)propyl ether: No known significant effects or critical hazards.

Sensitizer

Product/ingredient name	Test	Route of exposure	Species	Result
Reaction product: bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700)	Data based on skin tests on similar product	Skin	Guinea pig	Sensitising
	OECD 429 Skin Sensitisation: Local Lymph Node Assay	skin	Mouse	Sensitising

Conclusion/summary: No additional information.



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Mutagenicity

Product/ingredient name	Test	Result
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 471 Bacterial Reverse Mutation Test	Positive
	OECD 476 In vitro Mammalian Cell Gene Mutation Test	Positive
	OECD 478 Genetic Toxicology: Rodent Dominant Lethal Test	Negative
	EPA OPPTS	Negative

Carcinogenicity

Product/ingredient name	Test	Species	Exposure	Result	Route of exposure	Target organs
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies	Rat	2 years; 7 days	Negative	Oral	-
	OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies	Rat	per week 2 years; 5 days	Negative	Dermal	-
	OECD 453 Combined Chronic Toxicity/Carcinogenicity Studies	Rat	per week 2 years; 3 days	Negative	Dermal	-
			per week			

Reproductive toxicity

Product/ingredient name	Test	Species	Result/Result type	Target organs
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 416 Two-Generation Reproduction Toxicity Study	Rat	Oral: 540 mg/kg NOEL	-

Teratogenicity

Product/ingredient name	Test	Species	Result/Result type
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 414 Prenatal Developmental Toxicity Study	Rat - Female	Oral: 540 mg/kg NOEL
	EPA CFR	Rabbit - Female	>300 mg/kg NOEL
	OECD 414 Prenatal Developmental Toxicity Study	Rabbit - Female	180 mg/kg NOAEL



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Information on the likely routes of exposure: Not available

Potential acute health effects

Inhalation: No known significant effects of critical hazards.

Ingestion: Irritation to mouth, throat and stomach.

Skin contact: Irritating to skin. May cause sensitisation by skin contact.

Eye contact: Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data

Ingestion: No specific data

Skin contact: Adverse symptoms may include the following: irritation, redness Eye

contact: Adverse symptoms may include the following: irritation, watering, redness

Delayed and immediate effects and also chronic effects from short- and long-term exposures

Short term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Long term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Potential chronic health effects

Product/ingredient name	Test	Result type	Result	Target organs
Reaction product: bisphenol A- (epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD 408 Repeated Dose 90Day Oral Toxicity Study in Rodents	NOAEL -	50 mg/kg	-
	OECD 411 Subchronic Dermal Toxicity: 90-day Study	NOEL	10 mg/kg	-
	OECD 411 Subchronic Dermal Toxicity: 90-day Study	NOAEL	100 mg/kg	-

Conclusion/summary: 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.

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 Other information: Not available.



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SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient name	Test	Endpoint	Exposure	Species	Result
Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	-	Acute EC50	72 hours Static	Algae	9.4 mg/L
	OECD 202 Daphnia sp. Acute Immobilisation Test	Acute EC50	48 hours Static	Daphnia	1.7 mg/L
	-	Acute IC50	3 hours Static	Bacteria	>100 mg/L 1.5 mg/L
	OECD 203 Fish, Acute Toxicity Test	Acute LC50	96 hours Static	Fish	
	OECD 211 Daphnia Magna Reproduction Test	Chronic NOEC	21 days Semi-static	Daphnia	0.3 mg/L

12.2 Persistence and degradability

Product/ingredient name	Test	Period	Result
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	OECD Derived from OECD 301F (Biodegradation Test)	28 days	5%

Conclusion/Summary: Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700): NOT readily biodegradable.

Product/ingredient name	Test	Period	Result
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	Fresh water 4.83 days Fresh water 3.58 days Fresh water 7.1 days	-	Not Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)	3.242	31	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc): Not available

Mobility: Not available

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

No known significant effects or critical hazards.

12.7 Other ecological information



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SECTION 13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s)

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimised wherever possible.

Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: Yes

European waste catalogue (EWC)

Waste Code	Waste designation
07 02 08*	Other still bottoms and reaction residues

Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.



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SECTION 14. TRANSPORT INFORMATION

	14.1 UN number	14.2 UN proper shipping name
ADR/RID	UN3082	Environmentally hazardous substance, liquid, n.o.s. BISPHENOL A EPOXY RESIN
IMDG	UN3082	Environmentally hazardous substance, liquid, n.o.s. BISPHENOL A EPOXY RESIN
RESIN		Marine pollutant (reaction product: bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight < 700)
IATA	UN3082	Environmentally hazardous substance, liquid, n.o.s. BISPHENOL A EPOXY RESIN

	ADR/RID	IMDG	IATA
14.3 Transport hazard class(es)	 9	 9	 9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Yes.	Yes.	Yes.
14.6 Special precautions for user	Not available.	Not available.	Not available.
Additional information	<u>Hazard identification number: 90</u> <u>Special provisions: 274, 335, 601</u> <u>Tunnel code: E</u>	<u>Emergency schedules (Ems) F-A, S-F</u>	Passenger and Cargo Aircraft Quantity limitation: 450 L Packaging instructions: 964 Cargo Aircraft Only Quantity limitation: 450 L Packaging instruction: 964

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

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substance subject to authorization Substances of very high concern

None of the components are listed

Annex XVII - Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

Other EU regulations

Europe inventory: All components are listed or exempted.

Black List Chemicals: Not listed

Priority List Chemicals: Not listed

Integrated pollution prevention and control list (IPPC) - Air: Not listed



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Integrated pollution prevention and control list (IPPC) - Water: Not listed

National regulations

References: The provision of Safety Data Sheet comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974.

International regulations

Chemical Weapons Conventions List Schedule I Chemicals: Not listed

Chemical Weapons Conventions List Schedule II Chemicals: Not listed

Chemical Weapons Conventions List Schedule III Chemicals: Not listed

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessment are still required.

SECTION 16. OTHER INFORMATION

Indicates information that has changed from previously issued version

Abbreviations and acronyms

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin irrit. 2, H315

Eye irrit. 2, H319

Skin Sens. 1, H317

Aquatic Chronic 2, H411

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin irrit. 2, H315	Calculation method
Eye irrit. 2, H319	Calculation method
Skin Sens. 1, H317	On basis of test data
Aquatic Chronic 2, H411	Calculation method

Full text of abbreviated H:

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.



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Full text of classifications [CLP/GHS]:

Aquatic Chronic 2, H411	AQUATIC TOXICITY (CHRONIC) - Category 2
Aquatic Chronic 3, H412	AQUATIC TOXICITY (CHRONIC) - Category 3
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITIZATION - Category 1

Full text of abbreviated R phrases:

R36/38-Irritation to eyes and skin.
R43-May cause sensitisation by skin contact.
R51/53-Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53-Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classifications [DSD/DPD]: Xi - Irritant

N - Dangerous for the environment

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END OF THE MATERIAL SAFETY DATA SHEET