

EUROFIX STEEL EPOXY WITH HARDENER

01 IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Trade Name : EUROFIX STEEL EPOXY
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02 HAZARDS IDENTIFICATION

2.1 Hazard description:

Xi Irritant



2.2 Information concerning particular hazards for human and environment:

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R22 Harmful if swallowed.
R36/37/38 Irritating to eyes, respiratory system and skin.
R41 Risk of serious damage to the eyes.
R43 May cause sensitization by skin contact.

Keep away from sources of ignition - No smoking.

Keep out of the reach of children.

2.3 Classification system:

These substances are not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

03 COMPOSITION / INFORMATION ON INGREDIENTS

Description: Mixture of substances listed below with nonhazardous additions.

Ingredients	CAS No.	EINECS No.	Conc. (% w/w)	Classification
Epoxy resin based on Bisphenol A (Component-A)	25068-38-6	500-033-5	20-30%	Xi; R 36/37 - R 43
2,4,6-tris (dimethylaminomethyl) phenol (Component-B)	90-72-2	202-013-9	10-20%	Xn; R22 Xi; R 36/38

04 FIRST AID MEASURES

4.1 General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

4.2 After inhalation: Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

4.3 After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available.

4.4 After eye contact: Rinse opened eye for at least 15 minutes under running water. Consult a doctor.

4.5 After swallowing: Do not induce vomiting. If swallowing has occurred drink plenty of milk and water.

05 FIRE FIGHTING MEASURES

5.1 Protective equipment: Mount respiratory protective device and wear protective equipment.

5.2 Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

5.3 For safety reasons unsuitable extinguishing agents: Water with full jet.

06 ACCIDENTAL RELEASE MEASURES

6.1 Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

6.2 Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

6.3 Measures for cleaning/collecting: Ventilate area of spill; flood slowly with water to polymerase, absorb with sand / earth and dispose to chemical waste bin. Dispose in accordance with pertinent national legislation.

07 HANDLING AND STORAGE

7.1 Handling:

- Avoid contact and inhalation of the vapor does not eat or drinking while working do not smoke while working.

7.2 Storage:

- Keep container tightly closed and dry in a cool, well-ventilated place
- Keep away from food, beverages and animal feedstock
- Protect from frost
- Protect from heat and direct sunlight
- Protect from atmospheric moisture and water
- Store between 5-25°C; avoid strong light and heat sources

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Personal protection equipment:

- General protective and hygiene measures
- Take care for sufficient ventilation or exhaust on the workshop place
- Avoid contact with eyes and skin
- Remove soiled or soaked clothing immediately
- Do not eat, drink or smoke during work time
- Wash hands before breaks and after work

8.2 Hand protection:

- Butyl rubber/nitrile rubber gloves

8.3 Eye protection:

- Safety glasses

8.4 Additional Information: Wash hands before eating, drinking, smoking and using the toilet.

09 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Form : Putty component-A , Liquid component-B

Odour : Sharp, irritating

Colour : Grey component-A , Clear component-B

Viscosity : 20500 mPas at 25 C component-A , 8000 - 12000 mPas at 25 C component-B

Density (water=1) : 1.3-1.4 g/cm³ at 20C component-A, 1.15-1.25 g/cm³ at 20 C component-B

Oxidizing properties : No

Flash Point : > 200°C

Solubility : Not miscible with water.

MATERIAL SAFETY DATA SHEET

(MSDS) According to EC Regulation 1907/2006/EEC and Subsequent Amendments

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Revision Date and No: 05/10/2010 – EGBF: 350

10 STABILITY AND REACTIVITY

10.1 Chemical stability: This material is thermally stable when stored and used as directed.

10.2 Conditions to avoid: No hazardous reactions when stored and handled according to prescribed instructions.

10.3 Hazardous decomposition products: No information available.

10.4 Hazardous reactions: No information available.

11 TOXICOLOGICAL INFORMATION

High concentrations are destructive to tissues of the mucous membranes and the upper respiratory tract.

Causes Severe Irritation.

Ingredients	Acute toxicity (lethal doses)
Epoxy resin based on Bisphenol (Component-A)	LD50 oral, rat : 19200 mg/kg
2,4,6-tris (dimethylaminomethyl) phenol (Component-B)	LD50 oral, rat : 2000 mg/kg

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
Symptoms or an effect that may arise if the product is mishandled and over expose sure occurs are:

11.1. Acute Effects

Sensitization: Allergic reaction can occur with sensitive persons.

Inhalation: Material may cause irritation.

Skin contact: May cause irritation.

Eye contact: May cause irritation.

11.1. Long Term Effects

No information available for product.

12 ECOLOGICAL INFORMATION

12.1 Environmental fate and distribution:

Material, insoluble in water. No adverse effects are predicted.

Epoxy resin based on Bisphenol (Component-A)	2,4,6-tris (dimethylaminomethyl) phenol (Component-B)
<u>Elimination</u> Biological degradability Assessment : No readily biodegradable.	No results from ecotoxicological test are available.
<u>Ecotoxicity</u> Acute fish toxicity LC50, Dose : 1-10 mg/l Period : 96 h	
Acute daphnia toxicity EC50 Dose : 1-10 mg/l Period : 48 h	

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13 DISPOSAL CONSIDERATIONS

13.1 Product disposal: Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

13.2 Packaging disposal: Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

14 TRANSPORT INFORMATION

Road transport ADR / RID

Class : 9
Number/letter : 11/C
Hazard no. : 90
UN no : 3082
Technical Name : 3082 Environmentally hazardous substance liquid n.o.s.

IMDG

This material is not classified as dangerous under IMDG regulations.

IATA

This material is not classified as dangerous under IATA regulations.

15 REGULATORY INFORMATION

Danger symbol Xi Irritant

15.1 Risk Phrases

R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R41	Risk of serious damage to the eyes.
R43	May cause sensitization by skin contact.

15.2 Safety Phrases

2	Keep out of reach of children.
23	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

16 OTHER INFORMATION

All information and instructions provided in this Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS. The company supplying entity shall not be held responsible for any defect in the product covered by this MSDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

Department issuing MSDS: Product safety department.

Contact: Product safety department info@akkim.net