

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Epoxy adhesive E, hardener (158109-X, 158110-X)

Print date : 31.07.2009

Product code : 158109-X

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After contact with eyes

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid.
Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink large quantities of water. Consult physician.

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂).
Extinguishing powder.
Water fog.
Fight major fires with a water spray jet or alcohol-resistant foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

In case of fire may form: Carbon monoxide. Nitrogen oxides (NO_x). Ammonia.

Special protective equipment for fire-fighters

Wear a protective full body suit. Wear breathing apparatus with own air supply.

Additional information

Contaminated fire-fighting water must be collected separately. Contaminated fire-fighting water must not get into the sewerage network. Fire residue and contaminated firefighting water must be disposed of in accordance with government regulations.

6. Accidental release measures

Personal precautions

Wear personal protection equipment. Keep unprotected persons at a safe distance.

Environmental precautions

Do not empty into drains or the aquatic environment. Do not allow to enter the soil or subsoil.

Methods for cleaning up/taking up

Provide adequate ventilation. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of contaminated material as § 13 waste.

7. Handling and storage

Handling

Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points.

Advice on protection against fire and explosion

No special measures are necessary.

Storage

Requirements for storage rooms and vessels

Ventilate adequately storage and work rooms. Employ reliable measures to prevent the product from entering the soil.

Further information on storage conditions

Keep in well sealed receptacles at a cool, dry location.

Storageclass (VCI):

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8. Exposure controls/personal protection**Exposure limit values****Exposure controls****Protective and hygiene measures**

Take off immediately all contaminated clothing Avoid contact with skin and eyes. "Wash hands when done working with material; at breaks, lunch, shift changes, etc." Do not breathe in gases/vapours/aerosols.

Respiratory protection

Not necessary when the room is well ventilated.

Hand protection

Wear protective gloves. (EN 374)

Material: NBR (Nitrile rubber). Butyl rubber.

Breakthrough time: See information supplied by the manufacturer.

Eye protection

Tightly sealed safety glasses. (EN 166)

Skin protection

Wear protective clothing. (EN 340)

9. Physical and chemical properties**General information**

Physical state: viscous
 Colour: brown
 Odour: amine-like

Important health, safety and environmental information

	Test method
pH-Value (at 20 °C):	ca. 11 ISO 8975
Changes in the physical state	
Boiling point:	> 200 °C DIN 53171
Flash point:	> 180 °C ISO 2719
Vapour pressure: (at 20 °C)	< 0,1 hPa
Water solubility:	0,98 g/cm ³ DIN 53217 not miscible / slightly soluble
Viscosity / dynamic: (at 25 °C)	2.000 mPa·s ISO 9371

10. Stability and reactivity**Conditions to avoid**

no decomposition when stored and handled properly

Materials to avoid

strong exothermic reaction with: acid.

Hazardous decomposition products

Gas / vapours, corrosive.
 Ammonia.

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11. Toxicological information

Corrosive and irritant effects

Irritation to skin, eyes, and mucous membranes.

Sensitising effects

Contact may cause skin sensitisation.

12. Ecological information

Further information

Do not let the product enter the groundwater, open water, or the sewerage system.

13. Disposal considerations

Advice on disposal

Dispose of waste according to applicable local, state, and federal regulations. e.g. transfer to a suitable incineration plant. Waste key numbers are assigned according to the European Waste Catalogue (EWC) depending on the sector and process type.

Contaminated packaging

Dispose of waste according to applicable local, state, and federal regulations.

14. Transport information

Land transport (ADR/RID)

ADR/RID class:

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Labelling

Danger symbols:

Xi - Irritant

R phrases

- 36 Irritating to eyes.
- 38 Irritating to skin.
- 43 May cause sensitization by skin contact.

S phrases

- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 37 Wear suitable gloves.
- 39 Wear eye/face protection.
- 60 This material and its container must be disposed of as hazardous waste.

Additional advice on labelling

The product is classified and labelled under the EC Directives/hazardous substances laws (GefStoffV).

National regulatory information

Water contaminating class (D):

2 - water contaminating

Additional information

APME document: "Epoxidharze und Härter (Toxikologie, Arbeitssicherheit, Umwelt)" ("Epoxy resins and hardeners (toxicology, work safety, environment)")

16. Other information

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Full text of R-phrases referred to under sections 2 and 3

- | | |
|----|---|
| 21 | Harmful in contact with skin. |
| 34 | Causes burns. |
| 36 | Irritating to eyes. |
| 38 | Irritating to skin. |
| 43 | May cause sensitization by skin contact. |
| 52 | Harmful to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |

Further Information

All information, recommendations, and advice on the part of R&G Faserverbundwerkstoffe GmbH are published to the best of our knowledge and belief. They are noncommittal and contain neither explicit nor tacit assurance or warranty of particular properties. The values specified for properties are typical figures. Recommendations or advice serve to describe our products and possible applications in a general or exemplary, but not specifically individual manner. In the course of the constant technical advancement and improvement of our products there may be changes to the characteristic values, copy, and diagrams; no specific reference is made to any such change. Owing to our products' wide and highly diverse range of potential applications far beyond any of our attempts to analyse, the customer alone is responsible for examining our products' suitability for the respective processes and purposes and their respective processibility. All and any protective rights and the applicable laws, terms, and conditions must be observed by the buyer or user of our products at their own responsibility. Publication is not a licence and does not intend the violation of any patents.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)