

Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Repair Stick Alu (155125-X)

Print date : 18.08.2008

Product code : 155125-X

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1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

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Use of the substance/preparation

double-constituent epoxy resin

Company/undertaking identification

Company name : R&G Faserverbundwerkstoffe GmbH
 Composite Technology
 Street : Im Meißel 7 + 13
 Place : D-71111 Waldenbuch
 Post-office box : 1145
 D-71107 Waldenbuch
 Telephone : +49-7157-530460
 Telefax : +49-7157-530470
 e-mail : info@r-g.de
 Internet : www.r-g.de
 Inquiry office : Management
 Emergency telephone : Poison emergency call

2. Hazards identification**Classification**

Indications of danger : Irritant
 R-phrases :
 Irritating to eyes and skin.
 May cause sensitization by skin contact.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

Chemical characterization (preparation)
 double-constituent epoxy resin

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
500-033-5	25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	15 - 24%	Xi, N R36/38-43-51-53
202-013-9	90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	1 - 10 %	Xn, Xi R22-36/38

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures**General information**

Change contaminated clothing.

After inhalation

Consult a doctor when complaints persist.

After contact with skin

After contact with skin, wash immediately with soap and plenty of water. Do not use any solvents or diluents!

After contact with eyes

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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. Do not induce vomiting.

Advice to doctor

In the case of lung irritation: Primary treatment using Dexamethason-Dosieraerosol.

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Dry extinguishing powder. Water spray.

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

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

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.

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

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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 : Paste
Colour :
Odour : weak

Important health, safety and environmental information

Test method

Changes in the physical state

Flash point : > 200 °C
Water solubility : insoluble

10. Stability and reactivity

Conditions to avoid

no decomposition when stored and handled properly

Materials to avoid

strong acid and alkalis
Oxidizing agents, strong.

Hazardous decomposition products

Gas / vapours, corrosive.
Carbon dioxide.
Carbon monoxide.
nitrogen oxides (NOx).

11. Toxicological information

Specific effects in experiment on an animal

rabbit: Irritant effect on the skin: Irritant effect on the eye:
Inhalation may cause sensitisation.

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.

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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

- 36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

- 02 Keep out of the reach of children.
28 After contact with skin, wash immediately with plenty of Wasser und Seife.
37 Wear suitable gloves.
39 Wear eye/face protection.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
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

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

- 22 Harmful if swallowed.
36/38 Irritating to eyes and skin.
43 May cause sensitization by skin contact.
51 Toxic to aquatic organisms.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53 May cause long-term adverse effects in the aquatic environment.

Further Information

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