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Safety Data Sheet

according to Regulation (EC) No 1907/2006

5-min.-epoxy, hardener

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

5-min.-epoxy, hardener

Use of the substance/mixture

epoxy resin systems

Company/undertaking identification

Company name: Suter Kunststoffe AG
Composite Technology
Street: Aefligenstrasse 3
Place: CH-3312 Fraubrunnen
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Responsible Department: Management
Emergency telephone: Toxikologisches Infozentrum Zürich 145

2. Hazards identification

3. Composition/information on ingredients

Chemical characterization (Mixture)

epoxy resin systems

Hazardous components

EC No	CAS No	Chemical name	Quantity	Classification
202-013-9	90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	< 5%	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

Following inhalation: Move victim to fresh air. Consult physician.

After contact with skin

After contact with skin, wash immediately with soap and plenty of water.

After contact with eyes

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

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 mixture itself, combustion products, resulting gases

In case of fire may form: Carbon monoxide. sulfur oxides.
Under certain coditions traces of other toxic substances cannot be ruled out.

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 adequate ventilation/vapour extraction at the workplace.

Advice on protection against fire and explosion

Keep away from sources of ignition. No smoking.

Storage

Requirements for storage rooms and vessels

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

Advice on storage compatibility

Keep away from oxidising agents.

Further information on storage conditions

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

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 before

breaks and after work.

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:	liquid
Colour:	yellowish brown
Odour:	characteristic

Important health, safety and environmental information

		Test method
Changes in the physical state		
Density (at 20 °C):	1,13 - 1,15 g/cm³	DIN 53217
Water solubility:	partially miscible	
Viscosity / dynamic: (at 25 °C)	10.000 - 14.000 mPa·s	ISO 9371

Other information

Ignition temperature:	> 100 °C	ISO 2719

10. Stability and reactivity

Conditions to avoid

no decomposition when stored and handled properly

Hazardous decomposition products

Reacts with: Oxidizing agents. amines. epoxides

11. Toxicological information

Irritation and corrosivity

Possible irritation to skin and mucous membranes.

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)

Description of the goods

Not a hazardous material with respect to transportation regulations.

15. Regulatory information

Labelling

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): - - not 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.

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.)