



Safety Data Sheet

according to Regulation (EU) No. 1907/2006

Polyester resin Palatal U 569 (140105-X)

Print date : 06.01.2008

Product code : 140105-X

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

Identification of the substance or preparation

Polyester resin Palatal U 569 (140105-X)

Company/undertaking identification

Company name : R&G Faserverbundwerkstoffe GmbH
Composite Technology
Place : D-71111 Waldenbuch
Telephone : +49-7157-530460 Telefax : +49-7157-530470
e-mail : info@r-g.de
Internet : www.r-g.de
Inquiry office : business management
Emergency telephone : poison information centre

2. Hazards identification

Classification

Indications of danger : Harmful
R-phrases :
Flammable.
Harmful by inhalation.
Irritating to eyes.
Irritating to skin.

Explication of special hazards for human health and environment

Wirkungen und Symptome:
EINATMEN: Husten, Kopfschmerzen, Schwindelgefühl, Müdigkeit, Bewußtlosigkeit, Übelkeit, Erbrechen
VERSCHLUCKEN: Halsschmerzen, Magenschmerzen, Kopfschmerzen, Schwindelgefühl, Erbrechen, Schwäche
HAUTKONTAKT: Trockene Haut, Rötung
AUGENKONTAKT: Schmerzen, Rötung

3. Composition/information on ingredients

Chemical characterization (preparation)
dissolved polymers

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
202-851-5	100-42-5	styrene	12,5 - 60%	Xn, Xi R10-20-36/38

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

4. First aid measures

After inhalation

Provide fresh air. Move to a semi upright position. Loosen clothing. Artificial respiration on respiratory arrest. Consult a doctor when large quantities have been breathed.

After contact with skin

After contact with skin, wash immediately with soap and plenty of water. Take off immediately all contaminated clothing. If skin becomes irritated, seek medical treatment.

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

Do not induce vomiting. Rinse mouth with water. Consult physician.

5. Fire-fighting measures

Suitable extinguishing media

Carbon dioxide (CO₂).
Extinguishing powder.
Foam.
Water fog.

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

In case of fire may form:
toxic gases

Special protective equipment for fire-fighters

Wear breathing apparatus without recirculating air and suitable protective clothing.

6. Accidental release measures

Personal precautions

Wear personal protection equipment. Do not breathe in vapours.

Environmental precautions

Notify the responsible authority when the substance enters open water, the soil, or sewerage system.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

7. Handling and storage

Handling

Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points.

Storage

Requirements for storage rooms and vessels

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges. Usual measures for fire prevention. Keep in a cool, well-ventilated place. Keep receptacles tightly sealed. Protect against the effects of heat and direct sunlight.

Further information on storage conditions

Fire rating: B

Storageclass (VCI) : 3A

8. Exposure controls/personal protection

Exposure limit values

Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
100-42-5	Styrene	100	430		TWA (8 h)	WEL
		250	1080		STEL (15 min)	WEL

Exposure controls



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Occupational exposure controls

Do not breathe in vapours. Avoid contact with skin and eyes.

Protective and hygiene measures

Take off immediately all contaminated clothing Apply protective skin cream. "Wash hands when done working with material; at breaks, lunch, shift changes, etc." Keep away from food stuffs, beverages, and ignitable materials.

Respiratory protection

breathing protection indicated: prolonged action. Insufficient absorbtion.

Hand protection

Wear protective gloves.

Material: NBR (Nitrile rubber). Butyl rubber. FKM (Fluoroelastomer).

Breakthrough time: See information supplied by the manufacturer.

Eye protection

Wear goggles.

9. Physical and chemical properties

General information

Physical state : liquid

Colour :

Important health, safety and environmental information

Test method

Changes in the physical state

10. Stability and reactivity

Conditions to avoid

no decomposition when stored and handled properly

Materials to avoid

Heating above the flashpoint and/or spraying or atomising may form ignitable mixtures. reaction with peroxides and other radical formers polymerisation under the action of heat

11. Toxicological information

Specific effects in experiment on an animal

The classification was undertaken in accordance with the method of calculation governed by the preparation regulations (1999/45/EC).

Corrosive and irritant effects

Irritation to skin, eyes, and mucous membranes.

Additional information on tests

Inhalation causes narcotic effects/intoxication.

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



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Contaminated packaging

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

14. Transport information

Land transport (ADR/RID)

UN number : 1866
ADR/RID class : 3
Warning plate
Hazard-no. : 30
Hazard label : 3
ADR/RID packing group : III

Description of the goods

HARZLÖSUNG, entzündbar

Remarks (land transport)

Special provisions: 640E
postal dispatch forbidden

Marine transport

UN number : 1866
IMDG code : 3
IMDG packing group : III
EmS : F-E, S-E

Description of the goods

RESIN SOLUTION, flammable

Air transport

UN/ID number : 1866
ICAO/IATA-DGR : 3
ICAO packing group : III

Description of the goods

RESIN SOLUTION, flammable

15. Regulatory information

Labelling

Danger symbols : Xn - Harmful

R phrases

10 Flammable.
20 Harmful by inhalation.
36 Irritating to eyes.
38 Irritating to skin.

S phrases

24 Avoid contact with skin.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
51 Use only in well-ventilated areas.

Additional advice on labelling

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

National regulatory information

Water contaminating class : 2 - water contaminating

Additional information

BG code of practice: M023 ("Polyester and epoxy resins") (ZH 1/301) BG code of practice: M054
("Styrene and formulations containing styrene")



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16. Other information

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

10	Flammable.
20	Harmful by inhalation.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
38	Irritating to skin.

Other data

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.