



# Safety Data Sheet

according to Regulation (EU) No. 1907/2006

## UP pre-gel colourless (140170-X)

Print date : 13.02.2008

Product code : 140170-X

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

#### Identification of the substance or preparation

UP pre-gel colourless (140170-X)

#### Company/undertaking identification

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

Telefax : +49-7157-530470

### 2. Hazards identification

#### Classification

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

### 3. Composition/information on ingredients

Chemical characterization ( preparation )

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
202-851-5	100-42-5	styrene	25-50%	Xn, Xi R10-20-36/38

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

### 4. First aid measures

#### General information

Take off immediately all contaminated clothing Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure.

#### After inhalation

Following inhalation: Move victim to fresh air. Instruct person to keep calm and warm. Consult a doctor when complaints persist. If victim is at risk of losing consciousness, position and transport on their side.

#### 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 ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician.

### 5. Fire-fighting measures



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**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>).  
Extinguishing powder.  
Water fog.  
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.

**Special protective equipment for fire-fighters**

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

**Additional information**

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. 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).  
Dispose of contaminated material as § 13 waste.

## 7. Handling and storage

**Handling****Advice on safe handling**

Provide adequate ventilation/vapour extraction at the workplace. Avoid the formation of aerosol.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. No smoking. Take precautionary measures against static discharges.

**Storage****Requirements for storage rooms and vessels**

Employ reliable measures to prevent the product from entering the soil.

**Advice on storage compatibility**

Store separately from foodstuffs.

**Further information on storage conditions**

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

Storageclass (VCI) : 3A

## 8. Exposure controls/personal protection

**Exposure limit values**



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### Exposure limits (EH40)

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

### Exposure controls

#### Protective and hygiene measures

Keep away from foodstuffs and fodder. Immediately take off soiled, impregnated clothing. Wash hands before breaks and after work. Avoid contact with skin and eyes.

#### Respiratory protection

Not necessary when the room is well ventilated.

#### Hand protection

On constant contact: gloves of nitrile rubber or vinyl.

#### Eye protection

Tightly sealed safety glasses.

#### Skin protection

Wear protective clothing.

## 9. Physical and chemical properties

### General information

Physical state : liquid  
Colour : beige  
Odour : of styrene

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Flash point : 34 °C DIN EN ISO 2719  
Lower explosion limits : 1,1 vol. %  
Upper explosion limits : 8,0 vol. %  
Vapour pressure : 6,5 hPa  
(at 20 °C)  
Density (at 20 °C) : 1,1 - 1,5 g/cm<sup>3</sup>  
Water solubility : virtually insoluble

### Other information

Ignition temperature : > 350 °C DIN 51794

## 10. Stability and reactivity

#### Materials to avoid

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

#### Hazardous decomposition products

Gas / vapours, flammable.

## 11. Toxicological information

#### Acute toxicity



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LD50 (oral, rat): 5.000 mg/kg  
LD50 (oral, mouse.): 316 mg/kg  
LC50 (inhalativ, rat): 11,8 mg/l / 4h

#### Corrosive and irritant effects

Irritation to skin, eyes, and mucous membranes.

#### Additional information on tests

Inhaling styrene above 50 ppm can cause damage to health like irritation to the mucous membranes and respiratory organs and disruption to the central nervous system like dizziness, headaches, and failing concentration.

## 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

Carry out a burning of hazardous waste according to official regulations. Do not allow to enter the sewerage system.

#### Contaminated packaging

Noncleanable packaging must be disposed of like the substance.

## 14. Transport information

#### Land transport (ADR/RID)

UN number : 1866  
ADR/RID class : 3  
Classification code : F1  
Warning plate  
Hazard-no. : 30  
Hazard label : 3  
ADR/RID packing group : III  
Limited quantity : LQ7

#### Description of the goods

RESIN SOLUTION flammable

#### Remarks (land transport)

Bei Gefäßen mit einem Fassungsraum von höchstens 450 Litern Angabe im Beförderungspapier.  
Beförderung nach Absatz 2.2.3.1.5 (ADR/RID)  
: 3  
: 640E  
: E

#### Marine transport

UN number : 1866  
IMDG code : 3  
Marine pollutant : yes  
Hazard label : 3  
IMDG packing group : III  
EmS : F-E, S-E  
Limited quantity : 5 L

#### Description of the goods

RESIN SOLUTION flammable



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### Remarks (marine transport)

: -  
: 223, 944, 955

### Air transport

UN/ID number :	1866	
ICAO/IATA-DGR :	3	
Hazard label :	3	
ICAO packing group :	III	
Limited quantity Passenger :	10 L	
IATA-packing instructions - Passenger :		309
IATA-max. quantity - Passenger :		60 L
IATA-packing instructions - Cargo :		310
IATA-max. quantity - Cargo :		220 L

### Description of the goods

RESIN SOLUTION flammable

### Remarks (air transport)

Bei Gefäßen mit einem Fassungsraum von höchstens 30 Litern Angabe im Beförderungspapier.  
Beförderung nach Absatz 2.3.2.5 (IMDG)  
: Y309  
: A3

## 15. Regulatory information

### Labelling

Danger symbols : Xn - Harmful

### R phrases

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

### S phrases

23 Do not breathe Dampf.  
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 : 2 - water contaminating

## 16. Other information

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

10 Flammable.  
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### 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.)*