

# Safety Data Sheet

according to Regulation (EU) No. 1907/2006

## Polyolefin-Primer for epoxyglue

Print date : 09.12.2008

Product code : 130152-2

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

#### Identification of the substance or preparation

Polyolefin-Primer for epoxyglue

#### 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  
 e-mail : info@r-g.de  
 Internet : www.r-g.de  
 Inquiry office : Management  
 Emergency telephone : poison information centre  
 Telefax : +49-7157-530470

### 2. Hazards identification

#### Classification

Indications of danger : Highly flammable, Harmful, Dangerous for the environment  
 R-phrases :  
 Highly flammable.  
 Irritating to skin.  
 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 Harmful: may cause lung damage if swallowed.  
 Vapours may cause drowsiness and dizziness.

### 3. Composition/information on ingredients

Chemical characterization ( preparation )

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-563-8	142-82-5	heptane [and isomers]	> 80 %	F, Xn, Xi, N R11-65-38-67-50-53
215-657-0	1338-02-9	Naphthenic acids, copper salts, copper naphthenate	< 5 %	Xn, N R10-22-50-53

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

### 4. First aid measures

#### General information

Provide fresh air. Consult physician if problems persist.

#### After inhalation

Provide fresh air. In the event of breathing trouble 100% oxygen must be supplied by trained personnel. Artificial respiration on respiratory arrest. Consult physician immediately.

#### After contact with skin

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

#### After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

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### After ingestion

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Immediately get medical attention.

## 5. Fire-fighting measures

### Suitable extinguishing media

Atomized water.  
Foam.  
Dry extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).

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

Risk of explosion. Reignition possible at long range.

### Additional information

Cool affected receptacles with water.

## 6. Accidental release measures

### Personal precautions

Extraction of vapours. Prevent the liquid from escaping. Remove from all sources of ignition.

### Environmental precautions

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

### Methods for cleaning up/taking up

Suitable material for absorbing: Sand. Collect in suitable receptacles.

## 7. Handling and storage

### Handling

#### Advice on safe handling

Avoid contact with skin and eyes.  
Keep away from ignition sources and naked flames. When using do not smoke.  
Keep away from oxidising agents.  
Provide for sufficient ventilation and punctiform suction at critical points.  
May attack certain synthetics and rubber.

### Storage

#### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.  
Store in a dry place.  
Take precautionary measures against static discharges. Earth receptacles.  
Unsuitable materials for Container: Aluminium.

## 8. Exposure controls/personal protection

### Exposure limit values

#### Exposure limits (EH40)

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
142-82-5	n-Heptane	500	-		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### Exposure controls

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**Respiratory protection**

Wear filter mask/respiratory equipment.

**Hand protection**

Wear protective gloves.

**Eye protection**

Wear goggles.

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

Physical state : liquid  
 Colour : colourless  
 Odour : mild

**Important health, safety and environmental information**

Test method

**Changes in the physical state**

Boiling point :	90 - 110 °C
Flash point :	-1 °C
Lower explosion limits :	1 vol. %
Upper explosion limits :	7 vol. %
Vapour pressure :	35 hPa
(at 20 °C)	
Density (at 20 °C) :	0,7 g/cm <sup>3</sup>
Water solubility :	insoluble
Viscosity / dynamic :	1-2 mPa·s
(at 20 °C)	

**Other information**

Auto-ignition temperature  
 Solid : 320  
 Spezifisches Gewicht (15°C): 0,7913

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

heat.  
 sparks.  
 naked flames.

**Materials to avoid**

Oxidizing agents.  
 acid, concentrated.

**Hazardous decomposition products**

Gas / vapours, toxic.  
 Carbon monoxide.  
 Carbon dioxide.

**11. Toxicological information****Acute toxicity**

Verschlucken kann innere Verletzungen, Bewußtlosigkeit und Tod verursachen. Narkotischer Effekt.  
 Dämpfung des zentralen Nervensystems. Dangerous to health after longer exposure, contact, or inhalation in (higher) concentrations.

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**Corrosive and irritant effects**

Reizt die Augen und die Schleimhäute. Chronische Augenreizung und - verätzung.

**12. Ecological information****Ecotoxicity**

Schwimmt auf dem Wasser. Verdunstung innerhalb eines Tages. Große Mengen können das Erdreich durchdringen und das Grundwasser kontaminieren.  
 Bioakkumulationspotential vorhanden. Leicht biologisch abbaubar. Kann zur Verminderung von Sauerstoff in aquatischen Systemen führen.  
 Schädlich für Fische.

**13. Disposal considerations****Advice on disposal**

Carry out a burning of hazardous waste according to official regulations. Do not let the product enter the groundwater, open water, or the sewerage system.

**Waste disposal number of waste from residues/unused products**

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors  
 Classified as hazardous waste.

**Waste disposal number of used product**

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors  
 Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors  
 Classified as hazardous waste.

**14. Transport information****Land transport (ADR/RID)**

UN number :	1206
ADR/RID class :	3
Warning plate	
Hazard-no. :	33
Hazard label :	3
ADR/RID packing group :	II
Limited quantity :	LQ4: 3I

**Description of the goods**

HEPTANE

**Marine transport**

UN number :	1206
IMDG code :	3
IMDG packing group :	II
EmS :	F-E, S-D
Limited quantity :	1 L

**Description of the goods**

Heptanes, mixture

**Air transport**

UN/ID number :	1206
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Hazard label : 3

ICAO packing group : II

**Description of the goods**

Heptanes, mixture

**15. Regulatory information****Labelling**

Danger symbols : F - Highly flammable; Xn - Harmful; N - Dangerous for the environment

**R phrases**

- 11 Highly flammable.  
 38 Irritating to skin.  
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 65 Harmful: may cause lung damage if swallowed.  
 67 Vapours may cause drowsiness and dizziness.

**S phrases**

- 09 Keep container in a well-ventilated place.  
 16 Keep away from sources of ignition - No smoking.  
 29 Do not empty into drains.  
 60 This material and its container must be disposed of as hazardous waste.  
 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.  
 62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**National regulatory information****16. Other information****Full text of R-phrases referred to under sections 2 and 3**

- 10 Flammable.  
 11 Highly flammable.  
 22 Harmful if swallowed.  
 38 Irritating to skin.  
 50 Very toxic to aquatic organisms.  
 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 53 May cause long-term adverse effects in the aquatic environment.  
 65 Harmful: may cause lung damage if swallowed.  
 67 Vapours may cause drowsiness and dizziness.

**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.

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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.)*