

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Tooling Gelcoat SP Blue

Print date: 09.04.2013

Product code: 115145-2012-GHS

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

#### Identification of the substance or mixture

Tooling Gelcoat SP Blue

#### 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  
Responsible Department: Management  
1.4. Emergency telephone number: poison information centre

### 2. Hazards identification

#### Classification

Indications of danger: Xn - Harmful, N - Dangerous for the environment

R phrases:

Harmful in contact with skin and if swallowed.

Irritating to eyes and skin.

May cause sensitisation by skin contact.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Possible risks of irreversible effects.

### 3. Composition/information on ingredients

#### Chemical characterization ( Mixture )

Mixture of the following substances with harmless additives

#### Hazardous components

EC No	CAS No	Chemical name	Quantity	Classification
	28064-14-4	Reaction product: bisphenol F-epichlorohydrin resins	40 - 45 %	Xi - Irritant, N - Dangerous for the environment R36/38-43-51-53
249-204-3	28768-32-3	N,N,N',N'-Tetraglycid-4,4'-diaminodiphenyl methan	20 - 25 %	Xn - Harmful, N - Dangerous for the environment R21/22-43-51-53-68
500-033-5	25068-38-6	epoxy resin (number average molecular weight <= 700), reaction product: bisphenol-A-(epichlorhydrin)	5 - 10 %	Xi - Irritant, N - Dangerous for the environment R36/38-43-51-53
240-260-4	16096-31-4	1,6-Hexandioldiglycidylether	5 - 10 %	Xi - Irritant R36-38-43-52-53
500-600-8	9003-36-5	Bisphenol F-epichlorohydrin resin mw<= 700	1 - 5 %	Xi - Irritant, N - Dangerous for the environment R36-38-43-51-53

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

### 4. First aid measures

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### General information

Change contaminated clothing.

### After inhalation

Provide fresh air. Consult physician. 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. Consult physician if problems persist.

### 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. Consult physician.

## 5. Fire-fighting measures

### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). 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

Carbon monoxide. Chlorhydric gas (HCl).

### Special protective equipment for fire-fighters

Wear a protective full body suit. Wear breathing apparatus without recirculating air and suitable protective clothing.

### 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.

### 6.2. Environmental precautions

Do not let the product enter the groundwater, open water, or the 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 room ventilation, if necessary with vapour extraction at the workplace.

### Storage

#### Requirements for storage rooms and vessels

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

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### Further information on storage conditions

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

Storageclass (D): 10

## 8. Exposure controls/personal protection

### Exposure limit values

#### 8.2. Exposure controls

##### Occupational exposure controls

Provide adequate ventilation/vapour extraction at the workplace.

##### Protective and hygiene measures

Do not breathe in vapours. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Do not inhale vapours. Wash hands before breaks and after work. Provide eye wash fountain in work area. Have emergency shower available.

##### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

##### Eye protection

Tightly sealed safety glasses.

##### Skin protection

Light protective clothing Safety shoes

## 9. Physical and chemical properties

### General information

Physical state: viscous  
Colour: blue  
Odour: weak characteristic

### Important health, safety and environmental information

Test method

#### Changes in the physical state

Boiling point: > 200 °C  
Flash point: > 100 °C  
Density (at 20 °C): 1,3 g/cm<sup>3</sup>  
Water solubility: insoluble in water  
Viscosity / dynamic:  
(at 25 °C) 270000 mPa·s

## 10. Stability and reactivity

### 10.6. Hazardous decomposition products

Irritant gases / vapors

#### Further information

in some cases very violent reactions with: alkalis and numerous organic substance categories like alcohols and amines

## 11. Toxicological information

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### Acute toxicity

oral LD50: 11400 mg/kg rat  
LD50: >2000 mg/kg rabbit

### Irritation and corrosivity

Irritation to skin, eyes, and mucous membranes.

## 12. Ecological information

### 12.2. Persistence and degradability

Biological degradation: Product is biodegradable with difficulty.

### Further information

Do not let the product enter the groundwater, open water, or the sewerage system.

## 13. Disposal considerations

## 14. Transport information

### Land transport (ADR/RID)

14.1. UN number:	UN3082
ADR/RID class:	9
Classification code:	M6
Warning plate	
Hazard No:	90
Hazard label:	9



ADR/RID packing group:	III
Limited quantity:	5 L
Tunnel restriction code:	E

### Description of the goods

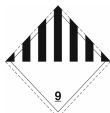
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### Other applicable information (land transport)

E1

### Marine transport (IMDG)

14.1. UN number:	UN3082
IMDG code:	9
Hazard label:	9



IMDG packing group:	III
EmS:	F-A, S-F
Limited quantity:	5 L

### Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

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### Other applicable information (marine transport)

E1

### Air transport (ICAO)

UN/ID number: UN3082

ICAO/IATA-DGR: 9

Hazard label: 9



ICAO packing group: III

Limited quantity Passenger: 30 kg G

IATA-packing instructions - Passenger: 964

IATA-max. quantity - Passenger: 450 L

IATA-packing instructions - Cargo: 964

IATA-max. quantity - Cargo: 450 L

### Description of the goods

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### Other applicable information (air transport)

E1

: Y964

## 15. Regulatory information

### Labelling

Danger symbols:

Xn - Harmful; N - Dangerous for the environment



Xn - Harmful



N - Dangerous for the environment

### R phrases

- 21/22 Harmful in contact with skin and if swallowed.  
36/38 Irritating to eyes and skin.  
43 May cause sensitisation by skin contact.  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
68 Possible risks of irreversible effects.

### S phrases

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
57 Use appropriate containment to avoid environmental contamination.  
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.  
36/37 Wear suitable protective clothing and gloves.

### National regulatory information

Water contaminating class (D): 2 - water contaminating

## 16. Other information

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

21/22	Harmful in contact with skin and if swallowed.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
38	Irritating to skin.
43	May cause sensitisation by skin contact.
51	Toxic to aquatic organisms.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
68	Possible risks of irreversible effects.

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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.)*