



# Safety Data Sheet

according to Regulation (EU) No. 1907/2006

## Glass microspheres (210123-X)

Print date : 06.01.2008

Product code : 210123-X

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

#### Identification of the substance or preparation

Glass microspheres (210123-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**

This substance is not classified as dangerous according to Directive 67/548/EEC.  
There is no obligatory labelling requirement according to the regulations covering preparations 1999/45/EC.

#### **Explication of special hazards for human health and environment**

There may be irritation to eyes and the respiratory tract when exposure to the max concentration is exceeded.

### 3. Composition/information on ingredients

#### **Chemical characterization ( substance )**

72,5 % SiO<sub>2</sub>  
13,7 % Na<sub>2</sub>O  
9,8 % CaO  
3,3 % MgO  
0,4 % Al<sub>2</sub>O<sub>3</sub>  
0,2 % FeO/Fe<sub>2</sub>O<sub>3</sub>  
0,1 % K<sub>2</sub>O

### 4. First aid measures

#### **After inhalation**

Provide fresh air.

#### **After contact with skin**

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

#### **After contact with eyes**

Immediately rinse with copious amounts of water.

### 5. Fire-fighting measures

#### **Suitable extinguishing media**

The product itself does not burn.

### 6. Accidental release measures

#### **Personal precautions**

No special measures are necessary.



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### Methods for cleaning up/taking up

Collect mechanically.

## 7. Handling and storage

### Handling

#### Advice on protection against fire and explosion

No special measures are necessary.

### Storage

#### Requirements for storage rooms and vessels

Keep receptacles tightly sealed. Store in a dry place.

Storageclass (VCI) : 10-13

## 8. Exposure controls/personal protection

### Exposure limit values

### Exposure controls

#### Protective and hygiene measures

Wash hands before breaks and after work. Do not eat or drink during work.

#### Respiratory protection

Do not breathe in dust.

Staubmaske

General dust threshold: 5 mg/m<sup>3</sup> (kein freies SiO<sub>2</sub> - alle Komponenten sind amorph/nicht kristallin)

#### Eye protection

Wear goggles.

#### Skin protection

Wear protective clothing. Immediately take off soiled, impregnated clothing.

## 9. Physical and chemical properties

### General information

Physical state : solid  
Colour : colourless  
Odour : odourless

### Important health, safety and environmental information

#### Changes in the physical state

Melting point : ca. 730 °C  
Density (at 20 °C) : ca. 2,6 g/cm<sup>3</sup>

Test method

## 10. Stability and reactivity

#### Conditions to avoid

no decomposition when stored and handled properly

#### Materials to avoid

unknown

#### Hazardous decomposition products

unknown

## 11. Toxicological information



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**Acute toxicity**

unknown

**12. Ecological information****13. Disposal considerations****Advice on disposal**

Can be disposed of on a rubbish tip for household waste.

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

ADR/RID class :

Not a hazardous material with respect to transportation regulations.

**Inland waterways transport**

ADNR class :

Not a hazardous material with respect to transportation regulations.

**Marine transport**

IMDG code :

Not a hazardous material with respect to transportation regulations.

**Air transport**

ICAO/IATA-DGR :

Not a hazardous material with respect to transportation regulations.

**Further Information**

postal dispatch without restriction

**15. Regulatory information****Labelling****Additional advice on labelling**

not classified as dangerous under the hazardous substances laws (GefStoffV)/EC Directives

**National regulatory information**

Water contaminating class :

1 - slightly water contaminating

**16. Other information****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.