

**Material Safety Data Sheet** according to regulation EG 1907/2006

## **Polystal-GRP with water-swellaible coating**

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### **1. Product and Company Identification**

**Trade name:** Polystal-GRP elements, water-swellaible coated for use in cable manufacturing

**Polystal Composites GmbH**  
Neuhaldensleber Str. 22  
D 39340 Haldensleben  
Germany  
Telefon: +49(0)3904-6626-0  
Telefax: +49(0)3904-6626-26  
E-Mail: info@polystal.de

### **2. Hazards Identification**

**Main Hazards:** none to our knowledge

**Additional Hazard note:** During storage and processing possible evaporation of small amounts of emissions (e.g. residual monomers).

### **3. Composition/Information on Ingredients**

**Chemical characterization:** Fiberglass-reinforced plastic based on polyester resin with additional coating based on polyester resin with polyacrylic acid (neutralized) and POE-POP alcohol

**Hazardous ingredients:**

CAS-Nr.	EINECS/ELINKS	Description	Concentration	Classification
100-42-5	202-851-5	Styrene	trace amount	Xn, R 10-20-36/38

### **4. First Aid Measures**

**If inhaled:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention.

**In case of skin contact:** Wash off with soap and plenty of water.

**If swallowed:** Seek medical attention.

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### **5. Fire-fighting Measures**

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Specific hazards arising from the combustion products:** In case of fire can occur: nitrogen oxides NO<sub>x</sub>, carbon monoxide, carbon dioxide.

**Special protective equipment for fire-fighters:** Wear self contained breathing apparatus for fire fighting if necessary.

### **6. Accidental Release Measures**

**Person-related safety precautions:** Wear protective equipment. Ensure adequate ventilation.

**Personenbezogene Vorsichtsmaßnahmen:** Für ausreichende Lüftung sorgen. Product caused great slip danger if comes to contact to water

**Environmental precautions:** Avoid release to environment

**Measures for cleaning/collecting: pick up or clean up mechanical**

### **7. Handling and Storage**

**Precaution for safe handling:** Wound up material is under high bending force. Take care when unwinding! Provide sufficient air exchange and / or exhaust in work rooms. Avoid exceeding the place of work exposure limit values. For mechanical operations: Do not breathe dust and provide for effective exhaust at the source. Wash hands before breaks and after work.

**Storage:** Provide sufficient air exchange. Keep dry material and packaging.

**Stock class VCI:** 11 = flammable solids

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### **8. Exposure Controls / Personal Protection**

#### **Exposure limit values:**

Type of exposure limit	Substance	Limit value	CAS-Nr.
Workplace exposure limit Germany (WEL): TRGS 900 (D)	Styrene	20 ppm (85 mg/m <sup>3</sup> )	100-42-5

#### **Personal protective equipment:**

Respiratory protection: On dust formation particle filter P1 according EN 143. On exceeding workplace exposure limit use respirator type A according EN 141.

Hand protection: Handle with gloves.

Eyes protection: Tightly sealed goggles.

Skin and body protection: General protecting working clothes and shoes.

### **9. Physical and chemical Properties**

Form: solid

Color: light beige

Odor: low odor

Melting point: not available

Ignition point: > 300 °C

Density: approx. 2,1 g/cm<sup>3</sup>

Water solubility: insoluble, water swellaible

### **10. Stability and Reactivity**

**Specific hazards arising from the combustion products:** In case of fire can occur: nitrogen oxides NO<sub>x</sub>, carbon monoxide, carbon dioxide.

**Thermal decomposition:** > 300 °C

**Additional information:** Product is stable under normal operating conditions of storage, handling and use.

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### **11. Toxicological Information**

There are no known harmful properties. Es sind keine gesundheitsschädigenden Eigenschaften bekannt. During storage and processing possible evaporation of small amounts of emissions (e.g. residual monomers).

### **12. Ecological Information**

**Water hazard:** German regulation Class 1 (low hazardous to waters) (self rating)

**Persistence and Degradability:** The product is slowly biodegradable.

**Information on ecological effects:** Avoid losses to the environment whenever possible.

### **13. Disposal Considerations**

**Product:** Dispose conveniently of according to local regulations.

**Packaging:** Not contaminated and completely emptied packaging can be reused. If reuse not possible dispose conveniently of according to local regulations.

**European waste catalogue:** The waste code classification is done according to the Regulation on the European list of waste, industry- and process-specific.

### **14. Transport Information**

GG VSee/IMDG-Code:	not restricted for transport
GG VE/GGVS:	not restricted for transport
RID/ADR:	not restricted for transport
ICAO/IATA-DGR:	not restricted for transport

### **15. Regulatory Information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **National Regulations – Germany**

Storage class VCI: 11 = flammable solids

Water hazard: Class 1 (low hazardous to waters) (self rating)

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**16. Other Information**

**Training advice:** The use of this product requires specific training. The user must receive all product information in order to handle the product safely (personal protection equipment and best practice standards).

**Recommended uses:** Restricted to professional users.

**Further information obtainable from:**

Polystal Composites GmbH

Tel: +49 (0)3904 / 66 26 0

E-Mail: info@polystal.de