

Date 22.01.10

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

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### Product details:

#### Trade name:

®SIGRAFLEX HOCHDRUCK

### Producer / supplier details:

#### Producer/supplier:

SGL TECHNOLOGIES GmbH

Werner-von-Siemens-Str. 18

D-86405 Meitingen

Phone: +49-8271-83-0

Fax: +49-8271-83-2127

#### Information providing division:

SGL TECHNOLOGIES GmbH - Meitingen plant

Werner-von-Siemens-Str. 18

D-86405 Meitingen

Phone: ++49-8271-83-2276

Fax: ++49-8271-83-2419

#### Information in case of emergency:

SGL TECHNOLOGIES GmbH- Meitingen plant

Phone: ++49-8271-83-1200

Fax: ++49-8271-83-2466

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## 2. Composition/information on ingredients

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### Chemical characteristics:

Product/material based on graphite with stainless steel sheet reinforcement and < 1 % hardened furan resin.

### Hazardous ingredients:

No ingredients classified hazardous acc. to 67/548/ECC.

CAS-No.	Name (acc. 67/548/EEC)	Content Label	R-phrase
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None

### Additional information:

None.

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## 3. Possible Hazards

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### Information on particular hazards to human and environment:

None.

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#### 4. **First aid measures**

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**General information:**

None.

**On inhalation:**

After inhalation of greater quantities of dust, take affected person to fresh air. (If dust occurs during machining).

**On contact with skin:**

Wash skin with water and soap after work.

**On contact with the eyes:**

Rinse with plenty of water.

**If swallowed:**

Drink water.

**Particular advices for the physician:**

None.

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#### 5. **Fire-fighting measures**

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**Suitable extinguishing media:**

Foam, sand, carbon dioxide, dry powder, water dizzle.

**Unsuitable extinguishing media, for safety reasons:**

Direct water spray.

**Particular risks arising from the substance, its preparation, its products of combustion or formed gases:**

Dust may glow in oxygen-containing atmosphere above 350 °C.  
During glowing and in case of fire CO/CO<sub>2</sub> is generated.

**Special protection equipment needed for fire-fighting:**

None, in case of insufficient ventilation use respiration equipment (against CO/CO<sub>2</sub>).

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#### 6. **Measures in case of accidental release**

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**Personal precautions:**

If dust occurs during machining use protective mask (P1).

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## 6. Measures in case of accidental release (continued)

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**Environmental precautions:**

None.

**Methods for cleaning/removal:**

Remove mechanically.

**Additional information:**

None.

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## 7. Handling and storage

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**Handling:**

**Advice on safe handling:**

None.

**Advice on protection against fire and explosion:**

None, if properly handled.

**Storage:**

**Requirements on storage areas and tanks:**

None.

**Advice on storage assembly:**

None.

**Additional information on storage conditions:**

None.

**Storage class:**

Not classified.

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## 8. Exposure limitations and personal protection equipment

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**Measure for limitation and monitoring the exposure:**

During machining and dust occurrence take care for good ventilation resp. for suction of the area of activity.

**Additional advice on the design of technical equipment:**

None.

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**8. Exposure limitations and personal protection equipment (continued)**

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**Ingredients with occupational exposure limits to be monitored:**

CAS-No.	Name of substance	Type	Value	Unit
None				

**Additional advices:**

None.

**Personal protective equipment:**

**General protective and hygiene measures:**

None.

**Respiratory protection:**

Dust protective mask (P1), if dust occurs.

**Hand protection:**

Protective leather gloves

**Eye protection:**

Safety glasses, if dust occurs during machining.

**Body protection:**

None.

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**9. Physical and chemical properties**

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**Appearance:**

**Form:** solid  
**Colour:** grey/black reflectant  
**Odour:** none

**Data relevant to safety:**

Parameter	Value/range	Unit	method
<b>Softening point:</b>	inapplicable		
<b>Boiling point/range:</b>	inapplicable		
<b>Melting point/range Of the metal:</b>	appr. 1420	°C	
<b>Flash point:</b>	inapplicable		

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## 9. Physical and chemical properties (continued)

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**Data relevant to safety:**

<b>Parameter</b>	<b>Value/range</b>	<b>Unit</b>	<b>method</b>
<b>Ignitability:</b>	inapplicable		
<b>Ignition temperature:</b>	inapplicable		
<b>Self ignitability:</b>	none *)		
<b>Inflammable properties:</b>	none		
<b>Explosive risk:</b>	none *)		
<b>Explosion limits</b>	<b>upper:</b> inapplicable <b>lower:</b> inapplicable		
<b>Vapour pressure</b>	<b>at 20°C:</b> inapplicable		
<b>Density</b>	<b>at 20°C:</b> appr. 0,1-1,3	g/cm <sup>3</sup>	
<b>Solubility</b>	<b>at 20°C:</b> none (in water)		
<b>pH-value:</b>	4,5 - 7		
<b>Partition coefficient: n-octanol/water</b>	inapplicable		
<b>Viscosity:</b>	inapplicable		
<b>Additional information:</b>	none		

**Remarks:**

\*) if properly used and stored.

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## 10. Stability and reactivity

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**Conditions to be avoided:**

None.

**Contact with substances to be avoided:**

None.

**Hazardous decomposition products:**

None, if handled in accordance with description.

**Additional information:**

Carbonisation of the hardened furan resin above 250 °C.

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## 11. Toxicological information

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No toxicological data available.

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## 12. Ecological information

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No ecological dates available.

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## 13. Disposal consideration

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**Product/preparation:**

Disposal in accordance with EC Directive 91/692/EEC.

**Contaminated packing material:**

Disposal in accordance with EC Directive 91/692/EEC.

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## 14. Transport information

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No hazardous material as defined by the transport regulations.

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## 15. Regulations

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**Labelling according to EEC regulation:**

**Code-letter and hazard-symbol for the product:**

No subject to mandatory marking.

**Hazardous ingredient(s) relevant for labelling:**

None.

**R-phrases:**

None.

**S-phrases:**

None.

**National regulations:**

**Additional classification acc. to GefStoffV (D) Appendix II:**

None.

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## 15. Regulations (continued)

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**Regulations for handling restrictions:**

None.

**Hazardous industries directive:**

None.

**Classification acc. to VbF (D):**

None.

**Technical guideline "TA-Luft" (D):**

Not applicable.

**Hazard classification for water (D):**

Not dangerous for water. VwVwS annex 1, art.-Nr. 801.

**Other regulations, restrictions and prohibition  
regulations:**

None.

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## 16. Other information

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**Other information:**

None.

**Safety data sheet providing division:**

Meitingen plant / Safety & occ. health division

**Person to contact:**

Dr. R. Meyer zu Reckendorf      Phone: ++49-8271-83-1512

This information is based on our present state of knowledge and is intended to describe our products in respect of safety requirements. It should therefore not be regarded as guaranteeing specific properties of the products described or their suitability for particular application. This information does not form part of any contractual agreement in law.