

**Trade name: Filling granules**  
**Safety data sheet in accordance with 91/155/EEC**  
 Date of printing : 09.12.2003

**01. Identification**

01.01 Product details	
01.01.01. Trade name	Filling granules
01.02. Identification of the manufacturer	
01.02.01. Address	ERKODENT Erich Kopp GmbH, Siemensstr. 3, D-72285 Pfalzgrafenweiler
01.02.02. Information provided by	Chemie
01.02.03. Telephone number	Tel.: (+49) (0) 7445 / 85 01 - 0, Fax: (+49) (0) 7445 / 20 92
01.02.04. Emergency telephone number :	

**02. Composition/information on ingredients**

02.01. Chemical characterization	High-grade steel
02.02. Substance / product identification	-
02.03. Hazardous ingredients	-
02.04. Additional information	-

**03. Hazards possibilities**

03.01. Hazard designation	-
03.02. Particular information pertaining specific risk for human / environment	-

**04. First aid measures**

04.01. General Information	
04.02. First aid measures / inhalation.	-
04.03. First aid measures / skin contact.	-
04.04. First aid measures / eye contact.	In case of irritation consult an oculist.
04.05. First aid measures / ingestion.	-
04.06. Advice to doctor	-

**05. Fire-fighting measures**

05.01. Suitable extinguishing media	Product itself is non-combustible; Fire extinguishing method of surrounding areas must be discussed.
05.02. Extinguishing media that must not be used for safety reasons	-
05.03. Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases.	-
05.04. Special protective equipment for firefighting	-
05.05. Additional informations (chapter 5)	-

**06. Accidental release measures**

06.01. personal precautions.	-
06.02. environmental precautions.	-
06.03. methods for cleaning up/taking up.	Pick up mechanically.
06.04. Additional informations (chapter 6).	-

**07. Handling and storage**

07.01. Handling	
07.01.01. Hints on safe handling.	-
07.01.02. Hints for protection against fire and explosion.	-
07.02. Storage	
07.02.01. Requirements for storage rooms and vessels.	-

07.02.02. Hints on storage assembly.	-
07.02.03. Further information on storage conditions.	-
07.02.04. Storage category	-
07.02.05. Storage stability	-
07.02.06. Recommended storage temperature	-

## 08. Exposure controls/personal protection

08.01. Additional hints on technical system design.	-
08.02. Ingredients with occupational exposure limits to be monitored	-

08.03. Personal protective equipment Personal protective equipment Persönliche Schutzausrüstung	
08.03.01. Respiratory protection	-
08.03.02. Hand protection	-
08.03.03. Eye protection	safety glasses
08.03.04. Skin protection	-
08.03.05. General protective and hygiene measures	-

## 09. Physical and chemical properties

09.01. Appearance.	
09.01.01. Form	Granules
09.01.02. Colour	silver colours
09.01.03. Odour	odourless

09.02. Safety data	
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### Changes in physical state

Melting point	1450	°C	
Flash point	n.a.	°C	
Ignition temperature	n.a.	°C	
self ignition			
explosion limits	n.a.		
Upper explosion limit	n.a.		
Vapour pressure	n.a.		
Density	8,0	g/cm <sup>3</sup>	20 °C
solubility	insoluble	g/l	
Soluble in	n.a.	g/l	
pH-Value	n.a.		
Viscosity	n.a.		

09.03. Other information ( chapter 9.)	-
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## 10. Stability and reactivity

10.01. Hazardous reactions	-
10.02. Hazardous decomposition products	-
10.03. Thermal decomposition	> 1600 °C
10.04. Additional informations (chapter 10)	-

## 11. Toxicological information

11.01. Acute toxicity	
11.01.01. Acute oral toxicity	-
11.01.02. Acute dermal toxicity	-
11.01.03. Acute inhalational toxicity	-

11.02. Irritant/corrosive effects	
11.02.01. Irritant effect on skin	-
11.02.02. Irritant effect on eyes	-

11.03. Sensitization	-
11.04. Effects after repeated or prolonged exposition (subacute, subchronic, cronic)	-
11.08. Other information (chapter 11.)	-
11.09. Experiences made in practice.	-
11.10. General remarks.	-

## 12. Ecological information

12.01. Data on elimination ( persistence and degradability) :	
12.01.01. Physico-chemical eliminability	Readily eliminable from water
12.01.02. Biodegradability	-

12.02. Behaviour in environment compartments.	-
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12.03. Ecotoxic effect	-
12.03.01. Fish toxicity	-
12.03.02. Daphnia toxicity	-
12.03.03. Algae toxicity	-
12.03.04. Bacteria toxicity	-

12.04. Further ecological information	The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.
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## 13. Disposal considerations

13.01. Disposal considerations	
13.01.01. Disposal / product	For recycling, consult waste disposal centres.
13.01.02. Disposal / contaminated packagings.	Completely emptied packagings can be given for recycling.

13.02. Waste code no. / name of waste (for Germany only)	-
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## 14. Transport information

14.01. Land transport ADR/RID	
14.01.01. Class	-
14.01.02. Number/letter	-
14.01.03. Hazard number (Kemler-number)	-
14.01.04. UN number	-
14.01.05. Technical name	-
14.01.06. Remarks	-

14.02. Inland waterways transport ADN/ADNR	
14.02.01. Class	-
14.02.02. Number/letter	-
14.02.03. Category	-
14.02.04. Technical name	-
14.02.05. Remarks	-

14.03. Marine transport IMDG/GGVSee	
14.03.01. Class	-
14.03.02. UN number	-
14.03.03. page	-
14.03.04. EmS	-
14.03.05. MFAG	-
14.03.06. MARINE POLLUTANT	-
14.03.07. Correct technical name	-

14.03.08. Remarks	-
14.04. Air transport ICAO/IATA	
14.04.01. Class	-
14.04.02. UN number	-
14.04.03. page	-
14.04.04. Correct technical name	-
14.04.05. Remarks	-
14.05. Other information (chapter 14.)	-

## 15. Regulatory information

15.01. Labelling in accordance with GefStoffV/EC	
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.	
15.02. Other regulations	
15.02.01. Restriction of occupation.	-
15.02.02. Decree for case of interference / remarks (for Germany only).	-
15.02.03. Classification according to VbF / remarks (for Germany only).	-
15.02.04. TA-Luft (Ger.)	-
15.02.05. Water Hazard Class (Ger.)	-
15.02.06. Other regulations, restrictions and prohibition regulations (for Germany only)	-

## 16. Other information (chapter 16.).

Although this product does not require a hazard warning label, we recommend that the safety advice should be observed. (n.a. = Not applicable; n.b.= not determined)
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This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.