

6 MEASURES FOR ACCIDENTAL RELEASE

6.1 Personal precautions:

6.2 Environmental precautions:

no negative ecological effects known

6.3 Methods for cleaning/ disposal:

6.4 Additional hints:

7 HANDLING AND STORAGE

7.1 Handling:

Hints for safe use: refer to 'VBG 103'

Personal protection outfit: protective glasses

Hand protection: protective gloves in case of regular, prolonged or intense skin contact

Respiratory protection: machine suction of the grinding dust

7.2 Storage

Storage conditions for warehouse and containers:

Use only containers designed specially for this material/ product. Ventilate the area adequately.

Hints for storage with other goods:

Do not store in one place with oxidizing agents.

Storage class:

not applicable

Storage stability:

if possible, at temperatures between + 5° C and + 50° C

8 EXPOSURE LIMITS AND PERSONAL PROTECTION OUTFIT

8.1 Additional hints for the design of technical plants

8.2 Components with limits as to work area which must be monitored

Note: Observe the general accident prevention regulations, especially concerning the circumferential speed respectively the maximum permissible speed of rotation for ceramic bonded instruments.

8.3 Personal protection outfit

General protective and hygienic measures: Persons with an allergic predisposition against grinding dust should avoid regular, prolonged or intense skin contact. If necessary, use your personal protection outfit. Clean and care for the skin. Do not eat, drink, smoke or sniff while working.

Respiratory protection: Use a dust suction machine.

Hand protection: Provided that safety regulations permit this, in case of intense skin contact we recommend wearing protective gloves made of suitable plastic or synthetic rubber, otherwise apply a special skin protection salve.

Eye protection: tightly-fitting protective glasses

Body protection: Clean and care for the skin after work.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1.1 Form:	solid
9.1.2 Colour:	metallic
9.1.3 Odour:	none
9.2 Flammability:	non-flammable if used properly
9.3 Melting temperature:	1700 - 2500° C
9.4 Spontaneous combustion:	none
9.5 Risk of explosion:	none
9.6 Explosion limits:	not applicable
9.7 Density (T = 15° C):	1.27 - 3.96 g/cm ³
9.8 Solubility in water (T = 20° C):	virtually insoluble
9.9 pH-value:	(on g/H ₂ O) 3 - 8
9.10 Viscosity:	not applicable
9.11 Flash point:	not applicable
9.12 Thermal decomposition:	600° C (H ₂ O - dissolution)
9.13 Further details:	

10 STABILITY AND REACTIVITY

- 10.1 Conditions to avoid:**
no decomposition if used properly
- 10.2 Materials to avoid:**
Strong oxidation material. The ceramic bonding reacts in contact with heavy basic (PH -value > 10) liquid mediums.
- 10.3 Hazardous decomposition products:**
none if used and stored properly
- 10.4 Further details:**

11 INFORMATION ON TOXICOLOGY

- 11.1 Acute toxicity:**
Specific symptoms in animal tests: no data available
Primary irritant effect: no data available
- 11.2 Subacute/ chronic toxicity**
Long-terms tests: no data available
Experience with humans: no data available
- 11.3 Additional toxicological hints:**

12 INFORMATION ON ECOLOGY**12.1 Information on elimination** (persistence and degradability)

Penetration in soil or inshore waters is harmless due to the chemical degradability (long-term decomposition).

12.2 Behaviour in environmental areas

Product sinks in water.

12.3 Eco-toxicological effects

Marine toxicity penetration in waters harmless.

Behaviour in sewage purification plants: can be eliminated from water by mechanical separation.

12.4 Further ecological hints**13 HINTS FOR DISPOSAL****13.1 Product**

Recommendation: no need for special disposal

13.2 Packaging

Recommendation: deliver to a licensed waste disposal company

14 TRANSPORT REGULATIONS

no hazardous goods as per regulations

15 REGULATIONS**15.1 Marking**

Hazard symbol and warning: not required

Hazardous components requiring labelling: none

Hazard codes: none

Safety codes: none

Marking acc. to Appendix II of the EU: none

Preparation Guidelines: none

15.2 National regulations**16 FURTHER DETAILS**

The information given herein is based on the present state of our knowledge. It is intended to describe our product with regard to safety requirements and is not meant to assure any specific product properties.