

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product details

Trade name: Diamond instruments
Part-Nr.:

1.2 Particulars of manufacturer/ supplier

Manufacturer/ supplier HAGER & MEISINGER GMBH
Address: Hansemannstr.10
Country code/ postcode/ city: D-41429 Neuss
Telephone: +49 2131/2012-0
Telefax: +49 2131/2012-222
Specialist advice
available from: Quality assurance Department
Telephone: +49 2131/2012-0
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2 COMPOSITION/ INFORMATION ON COMPONENTS

2.1 Chemical characterization: Diamond (C) galvanic (Ni)
Chemical description: with Fe compound

2.2 Hazardous components

If used properly and according to current knowledge, it is not expected that the components of this product will represent a hazard.

Marking: none

3 POSSIBLE HAZARDS

3.1 Hazard identification

Provided that the standard safety precautions for small rotary cutters and the general accident prevention precautions are observed and the personal protection outfit is used correctly, no particular hazards are known.

4 FIRST-AID MEASURES

4.1 General hints: refer to 'VBG 103'

4.2 After inhalation:

Fresh air, under normal circumstances no further measures are required. Should symptoms persist, consult a doctor.

4.3 After skin contact:

In case of allergic reaction, use protective gloves and special skin protection salve.

4.4 After eye contact:

Rinse thoroughly with water , then consult an eye specialist immediately.

4.5 After ingestion:

consult a doctor

4.6 Hints for doctors:

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

5.2 Extinguishing media unsuitable for safety reasons:

5.3 Particular hazards by the material, its combustion products or released gases:

5.4 Special protection outfit:

5.5 Additional hints:

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: Augenschutz; Schutzbrille.
Eye protection: 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 tungsten carbide burs/ cutters.
- 8.3 Personal protection outfit
General safety and hygiene measures: Persons with a predisposition for wheel swarf allergies should avoid regular, long, intensive skin contact; if necessary wear protective clothing, ensure adequate skin cleaning and care measures are taken. Do not eat, drink, smoke or take snuff when 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: Various
9.1.3 Odour: none
9.2 Flammability: non-flammable if used properly
9.3 Melting temperature: ° C
9.4 Spontaneous combustion: none
9.5 Risk of explosion: none
9.6 Explosion limits: not applicable
9.7 Density (T = 15° C): 3.5 g/cm³
9.8 Solubility in water (T = 20° C): virtually insoluble
9.9 pH-value: not applicable
9.10 Viscosity: not applicable
9.11 Flash point: not applicable
9.12 Thermal decomposition: Takes place at temperatures > 800° C
9.13 Further details:

10 STABILITY AND REACTIVITY

- 10.1 Conditions to avoid:
no decomposition if used properly
10.2 Materials to avoid:
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.