



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS

EC – Material Safety Data Sheet
Silicon Carbide (C)
- Vitrified Bond V -
Version/Date: 11.09.2014



Page 1 of 4

MATERIAL SAFETY DATA SHEET FOR INORGANIC BONDED ABRASIVES
- Formatted by FEPA as per EC Directive 91/155/EG and ISO Standard 11014 -

1. Identification of Product and Company

1.1 Product Name:

Grinding tool with Silicon Carbide in vitrified bond

1.2 Application: Abrasive tool for grinding of various materials

1.3 Company identification:

KREBS & RIEDEL Schleifscheibenfabrik GmbH & Co KG

Bremer Straße 44

34385 Bad Karlshafen

GERMANY

Telephone: 05672 184 0

Fax: 05672 184 218

E-mail: mail@krebs-riedel.de

1.4 Emergency telephone number:

Giftnotrufzentrale (GIZ Nord) +49 (0)551 19240

2. Composition / Information on Ingredients

The product typically contains the following ingredients:

	Name	CAS	EG Nr. (ELINCS/EINECS)	Concentration in %
1	Silicon Carbide	409-21-2	206-991-8	75-95
2	Vitrified bond	-	-	5-25

The product does not contain any ingredients that require marking as per 67/548 EEC and 99/45 EG

3. Hazards Identification

Not applicable.

Abrasives are not dangerous substances or preparations as defined in EC directive No 99 / 45 EG.

See also: sections 8 and 16.

4. First Aid Measures

See also: sections 8 and 16.

Inhalation: not possible, due to the form of product
Eye contact: not possible, due to the form of product
Skin contact: no harmful effects known
Ingestion: not likely, due to the form of the product
If necessary contact physician

5. Fire Fighting Measures

The product is not inflammable



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Page 2 of 4

6. Accidental Release Measures

Not applicable

7. Handling and Storage

Follow instructions and relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. Exposure Control / Personal Protective Equipment

Before grinding risk assessment should be performed and individual protection measures adopted accordingly

8.1. Exposure limits

Keep limits of the following components under surveillance (Observe official regulations for dust)

	Name	CAS	EG No.	Concentration limits (daily average value)
1	Silicon Carbide	409-21-2	209-991-8	Observe official regulations for dust see section 16

Note: Hazardous dust of workpiece material may be generated during grinding and/or sanding operation

8.2. Exposure control and limitations

8.2.1. Exposure control and limitations of the work environment

Observe official regulations for dust

8.2.1.1. Respiratory protection:

Use respiratory equipment (type depends on specific application and material being ground)

8.2.1.2. Hand protection:

Wear protective gloves (type depends on specific application and material being ground)

8.2.1.3. Eye protection:

Wear protective goggles or face shield (type depends on specific application and material being ground)

8.2.1.4. Hearing protection:

Use hearing protection equipment (type depends on specific application and material being ground)

8.2.1.5. Body protection:

Use protective clothing (type depends on specific application and material being ground)

9. Physical and Chemical Properties

9.1	Physical state:	solid
9.2	Colour:	green, black or grey (dark, light, and mixed hues possible)
9.3	Solubility in water:	not soluble



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Page 3 of 4

10. Stability and Reactivity

Stability:

Inorganic bonded abrasives are stable and undergo no reaction when handled or stored

Reactivity:

10.1 Conditions to avoid:

No decomposition when in normal use

10.2 Materials to avoid:

No dangerous chemical reactions known

10.3 Hazardous decomposition products:

None

11. Toxicological Information

No toxicological effects if inhaled or swallowed or with eye or skin contact are known

See also: section 8

12. Ecological Information

12.1	Ecotoxicity:	no effects known
12.2	Mobility:	no potentials known
12.3	Persistence und degradability:	no biodegradable potentials known
12.4	Bioaccumulative potential:	no potentials known
12.5	Other hazardous effects:	no effects known

13. Disposal Considerations

13.1. Product

National and local regulations have to be observed.

Due to its ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible, if no hazardous materials have been added to the abrasive in course of its use. (EWC - SN 120121).

13.2. Packing

National and local regulations have to be observed.



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Page 4 of 4

14. Transport Information

The product is not affected by international regulations on the transport of dangerous goods

15. Regulatory Information

No specific marking requirements under relevant EC directives.

16. Other Information

Research conducted at Institut für Hygiene und Arbeitsmedizin (Universität Essen) showed no toxic or cancer inducing properties for aluminium oxide. Aluminium oxide was chemically inert.

The above information is based on our current state of knowledge and does not constitute any warranty of properties of the product. This information is not part of any contractual agreement. It remains the user's responsibility to adhere to existing laws and regulations.

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