

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006



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1. Identification of the product and of the company / undertaking

Trade name: FIX Zirconium Disc

Supplier: Gerd Eisenblätter GmbH

Jeschkenstraße 12d
82538 Geretsried
Phone: + 49 (0) 8171 / 9082 - 010

Emergencies: +49 (0) 8171 / 9082 - 010

2. Composition / Information on ingredients

The product contains the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Name	EC-No.	CAS-No.	REACH Registration No.	Conc. (%)	Classification acc. to. Regulation (EC) No. 1272/2008 (CLP)	
					Hazard classes / Hazard categories	Hazard statements
Cryolite		13775-53-6	237-410-6	4 - 6	STOT wdh. 1 Acute tox. 4* Aqu. chron.	H372, H332, H302, H411

(For full text of H-phrases see section 16.)

Remark: No PDMS (silicone-oils) present in this product

3. Hazards identification

3.1. Hazard Classification

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to the Regulation (EC) No. 1272/2008.

3.2. Label elements

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to the Regulation (EC) No. 1272/2008.

3.3. Other hazards

Not known

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4. First aid measures

4.1. Description of first aid measures

- | | |
|---------------------|--|
| After inhalation: | Not possible, due to the form of the product. If dust is inhaled, move person to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Seek medical attention if irritation or other symptoms persist. |
| After skin contact: | Wash skin with soap and water. If irritation or other symptoms develop, seek medical attention. |
| After eye contact: | Remove contact lenses if present and easy to do so. Flush eyes thoroughly with large amounts of water, holding eyelids open. If irritation persists, seek medical attention. |
| After swallowing: | Not likely, due to the form of the product. In the event of, do not induce vomiting. Rinse mouth with water. Seek medical attention if a large amount is swallowed or if you feel unwell. |

4.2. Most important symptoms and effects, both acute and delayed

Not known, but dust may cause eye and respiratory irritation. Prolonged inhalation of high concentration of dust may cause adverse effects on the lungs.

4.3. Indication of any immediate medical attention and special treatment needed

Not relevant. Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

water, foam, sand, powder or CO₂ as appropriate for surrounding materials.

5.2. Special hazards arising from the product

Toxic fumes may occur. Use respiratory protective equipment.

5.3. Special protective equipment and precautions for fire-fighters

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Not applicable.

7. Handling and storage

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

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8. Exposure controls / personal protection

8.1. Control parameters

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

Occupational exposure limit values and / or biological limit values.

Keep exposure to the following components under surveillance.
(Observe also the regional official regulations)

Limit value type	Name	EC-No.	CAS-No.	Occupational limit value				Peak limit	Source, Remark
				Long term		Short term			
				mg/m³	ml/m³ (ppm)	mg/m³	ml/m³ (ppm)		
Switzerland	Cryolite		13775-53-6						GESTIS
Europa (GER)									GESTIS
USA									GESTIS

Abbreviation:

e: inhalable / einatembar

a: respirable / alveolengängig

NA: not applicable / nicht zutreffend

Europe:

Longterm: The employee's average airborne exposure in any 8-hour work shift of a 42-hour work week which shall not be exceeded.

Shortterm: Maximum exposure of four 15min periods per 8 hour shift, with at least 60 minutes between exposure periods

Note: Hazardous dust of the workpiece material may be generated during grinding and / or sanding operations.
National regulations for dust exposure limit values have to be taken into consideration

8.2. Exposure controls

8.2.1. Individual protection measures

8.2.1.1. Respiratory protection: Use respiratory protective 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
(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)

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form:	solid
Product Appearance:	abrasive product
Grade:	40 - 120
Color:	blue
Odour, Colour:	no odour
Odour threshold:	not applicable
pH:	not applicable
Melting point:	not applicable
Boiling point:	not applicable
Flash point:	not applicable
Evaporation rate:	not applicable
Flammable Limits (LEL):	not applicable
Flammable Limits (UEL):	not applicable
Vapour density:	not applicable
Specific gravity:	not applicable
Solubility in water:	not applicable
Solubility - non-water:	not applicable
Partition coefficient (n-octanol / water):	not applicable
Viscosity:	not applicable
Autoignition temperature:	not applicable
Decomposition temperature:	not applicable

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Product is stable when handled or stored correctly.

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10.2. Chemical stability

No decomposition in normal use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Product is stable when handled or stored correctly.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

None known. At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

Refer to section 5.2 for hazardous decomposition products during combustion.

11. Toxicological information

11.1. Information on acute effects of exposure

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.
See also section 8.

12. Ecological information

12.1. Toxicity

No effects known.

12.2. Persistence and degradability

No biodegradable potential known.

12.3. Bioaccumulative potential

No potentials known.

12.4. Mobility in soil

No potentials known.

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

No effects known. Valuated.

13. Disposal considerations

13.1. Waste treatment methods

Dispose in accordance with all local, state and national regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

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13.1.2. Product

Follow national and regional regulations.

Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121)

13.1.3. Packing

Follow national and regional regulations

14. Transport information

The product is not covered by international regulation on the transport of dangerous goods.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the product

No specific labelling requirements under respective EC directives.

15.2. Chemical safety assessment

Not relevant.

16. Other information

16.1. Changes to the previous versions

See sections 1 to 16.

16.2. Literature and data sources

REACH Regulation (EC) Nr. 1907/2006

Regulation (EC) N° 1272/2008

Directive 98/24/EC

Directive 2000/39/EC

Directive 75/324/EEC

Decision 2000/532/EC

Transport regulations according to ADR, RID und IATA.

16.3. Hazard statements referred to in section 2 and 3

H302 Harmful if swallowed.

According to Regulation (EC) N° 1272/2008

The information given is based on current knowledge. Products are described in term of their safety data. The data does not signify any warranty with regard to the products properties.

The product should only be used for the stated application or applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet.

Further information relating to the use of the product can be obtained from the technical datasheets.