

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

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1. Identification of the substance / preparation and of the company/undertaking

Trade name: Special zirconium grinding belt
Product type: Coated abrasives for the grinding / sanding of different kinds of materials
Supplier: *Gerd Eisenblätter GmbH*

*Jeschkenstraße 10
82538 Geretsried
Phone: + 49 (0) 8171/9384-0*

Emergencies: +49 (0) 8171 / 9384 - 0

2. Composition / Information on ingredients

The product contains the following ingredients which are classified according to 67/548/EEC and 99/45/EC

Ingredients	EINECS-No.	CAS. No.	Conc.	Classification	R-phrases
Cryolite	239-148-8	15096-52-3	1 - 13 %	T, N	R20/22,48/23/25,51/53
Potassium-fluoroborate	237-928-2	14075-53-7	1 – 18 %	Xi	R36

3. Hazards identification

Not applicable.

Abrasives are articles and not dangerous substances or preparations according to directive 1999/45/EC.

4. First aid measures

Inhalation : Not possible, due to the form of the product
Skin contact : No harmful effects known.
Eye contact : Not possible, due to the form of the product
Ingestion : Not likely, due to the form of the product; if necessary contact physician.

5. Fire-fighting measures

Toxic fumes may occur. Use respiratory protective equipment.

Extinguishing media : Water, foam, sand, powder or CO₂ as appropriate for surrounding materials.

6. Accidental release (Spill containment 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

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

- 8.1. Occupational exposure limit values and / or biological limit values
Keep exposure to the following components under surveillance
(Observe also the regional official regulations)

Ingredients	CAS. No.	Specification	Concentration limits
Cryolite	15096-52-3	2000/39/EC:	2.5 mg/m ³ fluoride (as F)
		SE, EE:	2 mg/m ³ fluoride (as F)
		CH, DE:	1 mg/m ³ fluoride (as F)
Potassium-fluoroborate	14075-53-7	2000/39/EC:	2.5 mg/m ³ fluoride (as F)
		SE, EE:	2 mg/m ³ fluoride (as F)
		CH, DE:	1 mg/m ³ fluoride (as F)

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. Occupational exposure controls
- 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

9. Physical and chemical properties

- 9.1. Form : solid
- 9.2. Colour : various
- 9.3. Solubility in water : slightly soluble

10. Stability and reactivity

Stability

Coated abrasives are stable when handled or stored correctly.

Reactivity

- 10.1. Conditional to avoid:
No decomposition in normal use.
- 10.2. Material to avoid
No dangerous reactions known.
- 10.3. Hazardous decomposition products:
At temperatures exceeding 250 °C hazardous or toxic decomposition products may be generated.

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11. Toxicological information

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

12. Ecological information

12.1. Ecotoxicity	: no effects known
12.2. Mobility	: no potential known
12.3. Persistence and degradability	: no biodegradable potential known
12.4. Bio accumulative potential	: no potentials known
12.5. Other hazardous effects	: no effects known

13. Disposal considerations

13.1. Product
Follow national and regional regulations.
EU: Due to the ingredients and properties disposal as hazardous waste (2000/532/EC).
(Except grit 40)

13.2. Packing

14. Transport information

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

15. Regulatory information

No specific labelling requirements under respective EC directives.

16. Other information

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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.