

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Printing date: 08.03.13

Revision: 05.03.2013

Page 1 / 3

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

Trade name: Zirconium grinding belt**Supplier:** Gerd Eisenblätter GmbH

Jeschkenstraße 10
82538 Geretsried
Telefon: + 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.	Composition %	Classification
Cryolite	239-148-8	15096-52-3	1 – 20 %	T, N R20/22-R48/23/25-R51/53
Potassiumfluoroborate	237-928-2	14075-53-7	1 – 30 %	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.
Note to physician : Not available.

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.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade Name: **Zirconium grinding belt**

Page 2 / 3

7. Handling and storage

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

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)
Potassiumfluoroborate	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
- 8.2.1.2. Hand protection: Wear protective gloves
- 8.2.1.3. Eye protection: Wear protective goggles or face shield
- 8.2.1.4. Hearing protection: Use hearing protection
- 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.

Safety Data Sheet

according to Ordinance (EC) No. 1907/2006

Trade name: **Zirconium grinding belt**

Page 3 / 3

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
EU: Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – No. 120120). Except: P40.

13.2. 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

No specific labelling requirements under respective EC directives.

16. Other information

R36: Irritating to eyes.
R20/22: Harmful by inhalation and if swallowed
R48/23/25: Toxic: danger if serious damage to health by prolonged exposure through inhalation and if swallowed.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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