



## MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES

-Formatted by FEPA as per EC Directive 91/155/EG and ISO Standard 11014 - 1

### 1. Identification of Product and Company:

#### 1.1 Product Name:

POLY-PTX grinding belt

#### 1.2 Application

Coated abrasives for the grinding/sanding of different kinds of materials.

#### 1.3 Company identification:

Germany: Gerd Eisenblätter GmbH, Jeschkenstr. 10, DE-82538 Geretsried

Phone: +49 (0)8171 9384-0

Fax: +49 (0)8171 9384-55

#### 1.4 Emergency number:

GIZ Nord Phone: +49 (0)551 19240

### 2. Composition/Information on Ingredients

The product contains the following marking required ingredients as per 67/548 EEC and 99/45 EC

	Name	CAS	EG Nr. (ELINCS/EINECS)	Concentration area	Classifi- cation	R-Phrases
1	cryolite	15096-52-3	239-148-8	1 - 15%	T,N	R20/22-R48/23/25-R51/53
2	potassiumfluoroborate	14075-53-7	237-928-2	1 - 20%	Xi	R36

### 3. Hazards Identification

Not applicable

Abrasives are not dangerous substances or preparations as defined in EC directive N° 99/45.

See also section 8 and 16.

### 4. First Aid Measures

See also section 8 and 16

Inhalation: not possible, due to the form of the product

Eye contact: not possible, due to the form of the 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

Toxic fumes may occur. Use respiratory protective equipment.

Extinguishing Media: water, foam, sand, powder or CO<sub>2</sub> as appropriate for surrounding materials

## 6. Accidental release measures

Not applicable.

## 7. Handling and Storage

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

## 8. Exposure Controls / Personal Protection

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

### 8.1. Exposure Limits

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

	Name	CAS	EG Nr.	Concentration limits (daily average value)
1	cryolite	15096-52-3	239-148-8	2,5 mg/m <sup>3</sup> fluoride (as F)
2	potassiumfluoroborate	14075-53-7	237-928-2	2,5 mg/m <sup>3</sup> fluoride (as F)

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

### 8.2. Exposure control and limitations

#### 8.2.1. Exposure control and limitations of the work environment

Observe the regional 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

(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:              | various          |
| 9.3 | Solubility in water: | slightly soluble |

## 10. Stability and Reactivity

### Stability

Coated Abrasives are stable when handled or stored

### Reactivity

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

## 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 and 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

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),

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

### 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 marking 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.

Issued by: UAS

Contact: Andreas Reiche