

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: POLY PTX® zirconium sleeve

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 67/548/EEC or Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-No.	CAS-No.	REACH Registration No.	Conc. (%)	Classification acc. to Regulation (EC) No. 1272/2008 (CLP)		Classification acc. to Directive 67/548/EWC
					Hazard classes / Hazard categories	Hazard statements	
Cryolite = Sodium aluminum fluoride	237-410-6	13775-53-6		3 – 15 %	STOT RE 1 Acute Tox. 4* Acute Tox. 4* Aquatic Chronic 2	H372 H332 H302 H411	T; R48/23/25 Xn; R20/22 N; R51/53

* Minimum classification
(For full text of H- and R-phrases see section 16.)

3. Hazards identification

2.1. Classification

Not applicable.

Abrasives are articles and not dangerous substances or mixtures according to Directive 1999/45/EC or Regulation (EC) No. 1272/2008.

2.2. Label elements

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to Directive 1999/45/EC or Regulation (EC) No. 1272/2008.

2.3. Other hazards

Not known.

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4. First aid measures

See also section 8 and 16.

4.1. Description of 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.

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

Not known.

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

Not relevant. Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

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. Advice for fire fighters

Extinguishing materials should be selected according to the surrounding area.

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

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 (country of origin)	Substance	EC-No.	CAS-No.	Occupational limit value				Peak limit	Source, Remark
				Long term		Short term			
				mg/m ³	ml/m ³	mg/m ³	ml/m ³ (ppm)		
GB	Inorganic Flourine	-	-	2.5	-	-	-	-	GB - HSE

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)

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid

Colour: na

Solubility in water: none

9.2. Other information

None.

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10. Stability and reactivity

10.1. Reactivity

Coated abrasives are stable when handled or stored correctly.

10.2. Chemical stability

No decomposition in normal use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Coated Abrasives are stable when handled or stored correctly.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

At temperatures exceeding 250°C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on toxicological effects

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 potentials 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.

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13. Disposal considerations

13.1. Disposal methods

13.1. Product

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

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

Hazard statements referred to in section 2 and 3

According to Regulation (EC) No. 1272/2008:

H372	Causes damage to organs through prolonged or repeated exposure.
H332	Harmful if inhaled
H315	Irritating to skin
H319	Causes serious eye irritation

According to Directive 67/548/EWC:

R48/23/25	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R20/22	Harmful by 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.