



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



EC - Safety Data Sheet
Version: 2
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SAFETY DATA SHEET FOR COATED ABRASIVES

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

1.1 Identification of the product:

541X8 all grits (Material safety data sheet category I)
ERSTA - cotton cloth - aluminium oxide - fully resin bonded

1.2 Use of the product:

Coated abrasives for grinding of various materials.

1.3 Company identification:

Company: STARCKE GmbH & Co. KG
Address: Postfach 12 60 Phone: +49 5422/966-0
49304 Melle / Germany Fax: +49 5422/966-301 E-mail: sicherheit@starcke.de

1.4 Emergency number:

Giftnotrufzentrale (GIZ-Nord): Phone: +49-(0)551-19240

2. Hazards identification

Not applicable. Coated abrasives are articles and not dangerous substances or preparations according to directive 1999/45/EC. See also section 8 and 16.

3. Composition/information on ingredients

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

	Name	EG Nr. (ELINCS/EINECS)	CAS Nr.	Concentration range	Classification
1	cryolite	239-148-8	15096-52-3	3 - 25%	T R48/23/25 Xn R20/22 N R51-53
2	potassium fluoroborate	237-928-2	14075-53-7	1 - 20%	

(For the full text of the R-phrases see section 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.
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 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.

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 the regional official regulations)

	Name	CAS Nr.	Specification	Concentration limits (daily average value)	Remarks
1	cryolite	15096-52-3	TRGS 900 (D)	1,0 mg/m ³ E (fluoride, calculated as fluorine)	
2	potassium fluoroborate	14075-53-7	TRGS 900 (D)	1,0 mg/m ³ E (fluoride, calculated as fluorine)	

Note: Hazardous dust of 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 (type depends on specific application and material being ground)

9. Physical and chemical properties

- 9.1 Physical state: solid
9.2 Colour: blue blue
9.3 Solubility in water: not relevant, product is an article

10. Stability and reactivity

Stability

Coated Abrasives are stable when handled or stored correctly.

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 labelling requirements under respective EC directives.

16. Other information

- R20/22: Harmful by inhalation and if swallowed.
R48/23/25: Toxic: danger of 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.

Modified positions in comparison with the last version

1.3 Company identification

9.3 Solubility in water

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: R & D - coated abrasives

Contact: Mr. Cichon