



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



EC - Safety Data Sheet
FL 390 Eco
Version/Revision: I / 2007-12-04
Printing date: 2007-12-04

page 1 of 4

MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES
- Formatted by FEPA according to REGULATION (EC) No 1907/2006 -

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

1.1 Identification of the product:

FL 390 Eco
24, 36 - 120

1.2 Use of the product:

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

1.3 Company identification:

Company: Hermes Schleifmittel GmbH & Co. KG
Address: Luruper Hauptstraße 106-122
D-22547 Hamburg
Phone: +49-(0)40-8330-0 Fax: +49-(0)40-8330-230 E-mail: hsd@hermes-schleifmittel.com

1.4 Emergency number:

Telefon: +49-(0)551-19240 (Giftnotrufzentrale – Nord)

2. Hazards Identification

Not applicable
Abrasives are 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 marking required ingredients as per 67/548/EEC and 99/45/EC

Name	EC Nr. (ELINCS/EINECS)	CAS N°	Concentration range	Classification
cryolite	237-410-6	15096-52-3	1,5 – 7 %	T, N with R: 20/22-48/23/25-51/53
potassium fluoroborate	237-928-2	14075-53-7	0 – 11 %	Xi with R: 36

(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 also the regional official regulations)

Name	CAS Nr.	Specification	Concentration limits (daily average value)	Short term value	remarks
dust	---	Total inhalable dust Respirable dust	8-hour TWA: 10 mg/m ³ 8-hour TWA: 4 mg/m ³		
cryolite	15096-52-3	As fluorides	UK, IE: 2,5 mg/m ³		
potassium fluoroborate	14075-53-7	As fluorides	UK, IE: 2,5 mg/m ³		

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
(type depends on specific application and material being ground)



9. Physical and Chemical Properties

- | | | |
|-----|----------------------|---------------|
| 9.1 | Physical state: | solid |
| 9.2 | Colour: | blue |
| 9.3 | Solubility in water: | insignificant |

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!



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page 4 of 4

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

This coated abrasive material contains cryolite and potassium fluoroborate. The following R-Phrases are valid for the cryolite and potassium fluoroborate:

- R 36 - Irritating to eyes
- R 20/22 - Harmful by inhalation and if swallowed
- R 48/23/25 - Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed
- R 51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R -

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: Department Environment, Health and Safety

Contact: Mr. Puttrus