



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



EC - Safety Data Sheet
Group 3 as annexed
Version/Revision: I / 2008-07-07
Printing date: 2008-07-07

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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:

Group 3 as annexed

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	as annexed	T, N with R: 20/22-48/23/25-51/53

(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		

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: | as annexed |
| 9.3 | Solubility in water: | as annexed |

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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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. The following R-Phrases are valid for the cryolite:

- 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

Annex to group 3

Last update: 2008-07-07

Code:	Type	Grit range	Colours	Solubility	Concentration
					Cryolite
11623	CR 116	+: 80-180	green	insignificant	6 - 9%
18400	BW 184	+: 24,36,40,60+80	blue	insignificant	6 - 8 %
18407	BW 184 Vel	+: 24,36,40,60-150	blue	insignificant	3,5 - 6 %
30660	RB 306 J-flex	P: 60-320+400	reddish brown	insignificant	1 - 3 %
31652	RB 316 52 EJ	P: 100,150-220+320	dark brown	insignificant	1 - 3 %
31803	RB 318 EJ	P: 80-400	black	insignificant	0,5 - 3 %
32220	HSB	P: 24-320	reddish brown	insignificant	0 - 10 %
34000	FW 340 X	P: 40, 60-180, 240, 320, 400+500	reddish brown	insignificant	1 - 9 %
34623	RB 346 23 MX	P: 24,36-220	brown	insignificant	0,5 - 3 %
37711	RB 377 11 YX	+: 40,60-80	blue	insignificant	4,5 - 6 %
37843	SB 378 43 YR	P: 50-120	reddish brown	insignificant	1,5 - 3 %
37893	SB 378 ZZ	P: 40,60-120	reddish brown	insignificant	1,5 - 3 %
38823	SB 388 23 Y	P: 40,60+80	blue	insignificant	2 - 3 %
45440	CR 454 Z	+: 40,60,80+120	green	insignificant	5 - 9 %
48024	RB 480 24 YX	+: 24,36-120	blue	insignificant	4 - 7 %
48025	RB 480 25 YX SK	P: 120	blue	insignificant	3,5 %
48544	RB 485 Z	+: 36-100	blue	insignificant	6 - 6,5 %
		P: FEPA #: ANSI +: others			