



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



EC - Safety Data Sheet  
Group 3 as annexed  
Version/Revision: I / 2008-04-01  
Printing date: 2008-04-01

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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 CO<sub>2</sub> 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 <sup>3</sup> 8-hour TWA: 4 mg/m <sup>3</sup>		
cryolite	15096-52-3	As fluorides	UK, IE: 2,5 mg/m <sup>3</sup>		

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. Putrus

## Annex to group 3

Last update: 2008-04-01

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 %
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			



FEDERATION EUROPEENNE DES  
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Group 1 as annexed

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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**

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(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:

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Note to physician:

Not available.



### 5. Fire Fighting Measures

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

### 6. Accidental release measures

Not applicable.

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

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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.

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## 9. Physical and Chemical Properties

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|-----|----------------------|------------|
| 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

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No dangerous reactions known.
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## 11. Toxicological Information

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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**

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. Putrus

## Annex to group 1

Last update: 2008-03-28

Code :	Type	Grit range	Colours	Solubility
10400	BWF	P: 120,180,280,400	orange	partly
11000	BW 110	P: 24,36+40,60-320+400	reddish brown	insignificant
11100	BW/RB	P: 24,36-400	red	partly
11105	BW/RB SK	P: 36-150	red	partly
11107	BW/RB VEL	P: 24,36-220	red	partly
11210	BW 112	P: 80-220	black	insignificant
11400	BW 114	P: 40-800	black	insignificant
11407	BW 114 VEL	P: 40,60-240	black	insignificant
11470	BW 114-Longlife	P: 240	light-grey	insignificant
11500	BW 115	P: 36-320+400	reddish brown	insignificant
11505	BW 115 SK	P: 40,60-220	reddish brown	insignificant
11522	BW 115 22 CC	+ : 80	reddish brown	insignificant
11523	CB 115	P: 60-240	black	insignificant
11710	BS 117	P: 400,600-800	anthracite	insignificant
11800	BS 118	P: 16,24,36-1200	black	insignificant
11805	BS 118 SK	P: 40,60-120,180+220,320-400,600-1200	black	insignificant
11807	BS 118 VEL	P: 16,24,36,40-120,180+220,320+400,600-1200	black	insignificant
11900	BS 119	P: 240-800	black	insignificant
11970	BS 119-Longlife	P: 240-800	light-grey	insignificant
13405	HC 134 SK	P: 600, 800+ 1200	white	insignificant
13407	HC 134 VEL	P: 80-220,320,360,600, 800+1200	white	insignificant
13408	HC 134 Foam	P: 600,800+1200	white	insignificant
13418	HC 134 Foam II	P: 400,600+800	white	insignificant
13500	HC 135	P: 80-500	white	insignificant
13503	HC 135 SK-2	P: 80-320+400	white	insignificant
13505	HC 135 SK	P: 80-240,320-400	white	insignificant
13506	HC 135 06 VEL	P: 80-400	white	insignificant
13507	HC 135 VEL	P: 80-500	white	insignificant
13508	HC 135 Foam	P: 180,240-320,400+500	white	insignificant
13509	HC 135 VEL Multihole	P: 80,120-500	white	insignificant
14007	FC 140 VEL	P: 120-320+400	white	insignificant
15177	VC 151-Longlife, VEL	P: 60-240,320,400+500	red/ white	insignificant
15179	VC 151-Longlife, VEL Multihole	P: 80,120-240,320,400+500	red/ white	insignificant
15200	VC 152	P: 40,60-320+400	light-brown	insignificant
15201	VC 152 01	P: 40,60-120	light-brown	insignificant
15205	VC 152 SK	P: 40,60-320+400	light-brown	insignificant
15207	VC 152 VEL	P: 40,60-320+400	light-brown	insignificant
15307	VC 153 VEL	P: 24,36-220	reddish brown	insignificant
16708	SA 167 schaumkaschiert	P: 180+220	grey	partly
16800	SF 168	P: 60-320,400+500	light-grey	insignificant
16805	SF 168 SK	P: 60-320,400+500	light-grey	insignificant
17900	BS 179	P: 60-180	black	insignificant
30070	RB 300 X-flex	#: 80-150	red	insignificant
30080	RB 300 J-flex	#: 80-180	red	insignificant
30480	RB 304 J-flex	P: 80-180	black	insignificant
30860	RB 308 J-flex	P: 320,400+600	black	insignificant
31510	RB 315 YX	P: 24,36-500	black	insignificant
31515	RB 315 YX SK	P: 24,36,80	black	insignificant
31632	RB 316 X op	P: 24,36-180	dark-brown	insignificant
31634	RB 316 34 Y op	P: 60-180	black	insignificant

## Annex to group 1

Last update: 2008-03-28

Code :	Type	Grit range	Colours	Solubility
31636	RB 316 36 Z op	P: 36-150	black	insignificant
31643	SB 316 43 YR op	P: 36,40,60-180	black	insignificant
31670	RB 316 X-flex	P: 40,60-240+320	brown	insignificant
31770	RB 317 J-flex-w	P: 60-600	reddish brown	partly
32020	RB 320 X	P: 12,16,24-320+400	red	insignificant
32025	RB 320 X SK	P: 36-240	red	insignificant
32522	RB 325 X	P: 36,40,60-320,400+500	red	insignificant
37433	RB 374 Z	+: 36-150	black	insignificant
37490	RB 374 90 ZZ	P: 24,36-180	black	insignificant
37530	RB 375 Y	P: 36-220,320	black	insignificant
37534	RB 375 Z	P: 36-150	black	insignificant
37536	RB 375 36 Z	P: 36-120	black	insignificant
37992	SB 379 92 ZZ	P: 36-180	black	insignificant
51522	RB 515 X	P: 150,220,280,320,400,600-1000	black	insignificant
51530	RB 515 Y	P: 150,220,400,800-1200	black	insignificant
52522	RB 525 X	P: 220,280,400+600	reddish brown	insignificant
53520	RB 535 X	P: 150-320,400-600	reddish brown	insignificant
53530	RB 535 Y	P: 60-180,240,320,400+600	reddish brown	insignificant
54020	RB 540 X	P: 150-220,280+320	black	insignificant
54520	RB 545 X	P: 150-320,400,600+800	black	insignificant
54530	RB 545 Y	P: 40,60-180+280	black	insignificant
55522	RB 555 X	---	yellow	insignificant
58000	GL 580	---	black	partly
58100	GL 581	---	black	partly
59030	Mercurit RB 590 Y	P: 120,180,240,320,400+600	reddish brown	insignificant
61521	WS flex 15 L	P: 1200	anthracite	insignificant
61526	WS flex 15 L SK 302	P: 1200	anthracite	insignificant
61529	WS flex 15 L SK 41	P: 1200	anthracite	insignificant
61600	WS flex 16	P: 180-2500	anthracite	insignificant
61605	WS flex 16 SK	P: 1500,2500	anthracite	insignificant
61607	WS flex 16 VEL	P: 400,600,800,2000+2500	anthracite	insignificant
61608	WS flex 16 SK 302	P: 2500+3000	anthracite	insignificant
61609	WS flex 16 VEL Multihole	P: 600+800	anthracite	insignificant
61810	WS flex 18 C	P: 60-1200	anthracite	insignificant
61815	WS flex 18 C SK	P: 60,80,120-180,240-320,400-1200+2500	anthracite	insignificant
61816	WS flex 18 C SK 302	P: 180,240,800	anthracite	insignificant
62820	WA flex 28 B	P: 400-1200	light-brown	insignificant
62827	WA flex 28 B VEL	P: 600-1000	light-brown	insignificant
62829	WA flex 28 B VEL Multihole	P: 800	light-brown	insignificant
63600	FB 636	P: 120,320,600,1200	grey	insignificant
63700	FB 637	P: 120,180,240,280,360-1500+2500	light-blue	insignificant
63705	FB 637 SK	P: 240,360,600+800,1200+1500	light-blue	insignificant
70000	webrax-MAG	+: 80+120	brown	insignificant
70100	webrax-AN 701	+: 100	brown	insignificant

## Annex to group 1

Last update: 2008-03-28

Code :	Type	Grit range	Colours	Solubility
70150	webrax-AN 701 50	+: 80,100,180,280+800	different colours, dependent on gritsize	insignificant
70200	webrax-AN 702	+: 80-100,180,280,320+400	brown	insignificant
70300	webrax-AN 703	+: 80	brown	insignificant
70350	webrax-AN 703 50	+: 80+100	different colours, dependent on gritsize	insignificant
70500	webrax-MSG	+: 80,150,180,220,280,400, 500	grey	insignificant
70505	webrax-MSG SK	+: 400	grey	insignificant
70580	webrax-MSG XX	+: 180+280	grey	insignificant
70600	webrax-GP 706 White	---	white	insignificant
70650	webrax-Multiclean	---	black	insignificant
70700	webrax-AN 707	+: 80,100,280+800	different colours, dependent on gritsize	insignificant
70710	webrax-AN 707 10	+: 80,100,180+280	different colours, dependent on gritsize	insignificant
70720	webrax-AN 70720	+: 120	brown	insignificant
70800	webrax-OA 708	+: 120,180,280,360+400	brown	insignificant
70802	webrax-GP 708 Maroon	+: 150+400	brown	insignificant
70807	webrax-OA 708 VEL	+: 120,180,280+360	brown	insignificant
70900	webrax-OS 709	+: 180,280,500,800+1500	grey	insignificant
70907	webrax-OS 709 VEL	+: 1500	grey	insignificant
71002	webrax-OA 710	+: 80-120,180+280	brown	insignificant
71007	webrax-OA 710 VEL	+: 100	brown	insignificant
71147	webrax-OA 711	+: 280	brown	insignificant
71248	webrax-OS 712	+: 1500	grey	insignificant
71300	webrax-OA 713	+: 60,100,180+280	light-brown	insignificant
71307	webrax-OA 713 VEL	+: 180	light-brown	insignificant
71400	webrax-OG 714	+: 150	brown	insignificant
71502	webrax-OS 715	+: 100,120,180,220,280,500+800	black	insignificant
71600	webrax-OS 716	+: 180+280	black	insignificant
71680	webrax-OS 716 XX	+: 180+280	black	insignificant
72100	webrax-PN 721	---	yellow	insignificant
72500	webrax-OS 725	+: 120+180	black	insignificant
91507	FN 915 Vel	+: 150,240,360,500,800	grey	insignificant
92400	GA 92400	+: 400,600-1200+3000	different colours, dependent on gritsize	insignificant
92406	GA 924 SK 302	+: 3000	different colours, dependent on gritsize	insignificant

**Annex to group 1**

Last update: 2008-03-28

<b>Code :</b>	<b>Type</b>	<b>Grit range</b>	<b>Colours</b>	<b>Solubility</b>
92407	GA 92407	+: 400,600-1000+3000	different colours, dependent on gritsize	insignificant
		P: FEPA #: ANSI +: others		