



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name: Group 3  
Version/Revision (date): 2020-04-07  
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**Voluntary product information based on the format of a safety data sheet  
for coated abrasives**

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

### **1.1 Product identifier**

Group 3 (Products which belong to this group are listed in the annex)

### **1.2 Use of the product**

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

### **1.3 Details of the supplier of the voluntary product information:**

Company: Hermes Schleifmittel GmbH

Address: Luruper Hauptstraße 106

D-22547 Hamburg

Phone: +49-(0)40-8330-0 Fax: +49-(0)40-8330-230

E-mail: .. hsd@hermes-schleifmittel.com

### **1.4 Emergency telephone number:**

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

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## **2. Hazards identification**

### **2.1. Classification**

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008.

See also section 8 and 16.

### **2.2. Label elements**

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

### **2.3. Other hazards**

Not known.

### 3. Composition/information on ingredients

The product contains the following ingredients which are classified according to Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
cryolite	237-410-6	13775-53-6	01-2119511565-43	as annexed	Akut Tox. Kat.4 Lact. STOT wdh. Kat.1 Aqua. chron. Kat. 2	H 332 H 362 H 372 H 411

(For full text of H-phrases see section 16)

### 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

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.

#### 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 CO<sub>2</sub> 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 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

### 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-N°	CAS-N°	Occupational limit value				Peak limit	source, remark
				Long term		Short term			
				mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)		
ASGW (de)	dust			1,25				TRGS 900 (D) A alveolar dust	
ASGW (de)	dust			10			2 (II)	TRGS 900 (D) E inhalable dust	
EU	cryolite	237-410-6	13775-53-6	2,5				Inhalable dust as F	
UK	cryolite	237-410-6	13775-53-6	2				UK.EH40 WELs 2007	
UK	cryolite	237-410-6	13775-53-6	2,5				UK.EH40 WELs 2007 as F	

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)

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## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- a) Physical state: solid
- b) Colour: as annexed
- c) Solubility in water: as annexed

### 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.

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## 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. Waste treatment methods

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

### 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.

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## 16. Other information

### Changes to the previous versions

See sections 1 to 16.

### Literature and data sources

REACH Regulation (EC) Nr. 1907/2006  
Regulation (EC) N° 1272/2008  
Directive 98/24/EC  
Directive 2000/39/EC  
Directive 75/324/EEC  
Decision 2000/532/EC  
Transport regulations according to ADR, RID und IATA.

### Hazard statements referred to in section 2 and 3

#### According to Regulation (EC) N° 1272/2008:

H332	Harmful if inhaled
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

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: Research and Development

Contact: [ehs@hermes-schleifmittel.com](mailto:ehs@hermes-schleifmittel.com)

+49 (0) – 40-8330 – 0 open Monday to Friday 8<sup>00</sup> – 15<sup>00</sup> (CET)

Code:	Type	Grit range	Colours	Solubility	Concentration
					Cryolite
11601	BW 116 01	P: 180-320,400	blue	insignificant	0,5 - 2 %
11623	CERAMIT CR 116	+: 40,60-180,240,280,320,400	green	insignificant	1 - 3 %
11627	CERAMIT CR 116 VEL	+: 60 - 180	green	insignificant	4,5 - 9,5 %
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: 60-240,320	reddish brown	insignificant	1 - 3 %
30661	RB 306 61 J-flex	P: 400	reddish brown	insignificant	0 - 3 %
30665	RB 306 J-flex SK	P: 120-220	reddish brown	insignificant	1 - 3 %
30667	RB 306 J-flex VEL	P: 120	reddish brown	insignificant	1 - 3 %
30800	RB 308 J	P: 120,180	black	insignificant	0,5 - 3 %
31652	RB 316 52 EJ	P: 100,150-220,320	dark brown	insignificant	1 - 3 %
31970	RB 319 X-flex	P: 80 - 320,400	black	insignificant	2,5 - 3%
32220	HSB	P: 24-320	reddish brown	insignificant	0 - 10 %
34000	FW 340 X	P: 40, 60-180, 240, 320	reddish brown	insignificant	1 - 9 %
34602	RB 346 MJ	P: 60-800	brown	insignificant	0 - 2,5 %
34603	RB 346 03 MJ	P: 80-320,400	brown	insignificant	1 - 2,5 %
34623	RB 346 23 MX	P: 24,36-320,400,600,800	brown	insignificant	1 - 3 %
34625	RB 346 23 MX SK	P: 40, 60-180,240	brown	insignificant	1 - 3 %
34626	RB 346 26 MX	P: 40 - 400	reddish brown	insignificant	0,5 - 2,0 %
34660	RB 346 J-flex	P: 40-400+600	brown	insignificant	0 - 2,5 %
34662	RB 346 CX	P: 24,36-180,240,320	brown	insignificant	1,5 - 2,5 %
34670	RB 346 X-flex	P: 60-320, 400	brown	insignificant	1,5 - 2,5 %
34687	RB 346 87 MX VEL	P: 40,60-180,240,320	brown	insignificant	0,5 - 2 %
34697	RB 346 97 MX VEL	P: 24,36,50,80	brown	insignificant	1 - 3 %
37710	RB 377 YX	+: 36,40,60-320, 400+500	brown	insignificant	1 - 3 %
37711	RB 377 11 YX	+: 80,220,280	brown	insignificant	0,5 - 2%
37730	RB 377 Y	P: 80	reddish brown	insignificant	1 - 2 %
37840	SB 378 YR	P: 50-120	reddish brown	insignificant	1 - 2,5%
38823	SB 388 23 Y	P: 40,60,80	blue	insignificant	2 - 3 %
41420	RB 414 X	+: 36,40,60,80	blue	insignificant	3 - 6 %
45440	CERAMIT CR 454 Z	+: 40,60,80	green	insignificant	5 - 9 %
45460	CERAMIT CR 454 J-flex	+: 80	green	insignificant	5 -10 %
46600	CERAMIT CN 466 J	+: 60	green	insignificant	5 -10 %
48024	RB 480 24 YX	+: 24, 36-220	blue	insignificant	4 - 7 %
48025	RB 480 25 YX SK	P: 60,120	blue	insignificant	3,5%
48027	RB 480 24 YX VEL	+: 40,60-120	blue	insignificant	3 - 5 %
48447	RB 484 44 Z VEL	+: 120	blue	insignificant	0 - 5%
48544	RB 485 Z	+: 36-100	blue	insignificant	4,5 - 6,5 %
53020	HERMESIT RB 530 X	P: 120,180,220,280,320,400, 500,800	red	insignificant	0 - 3 %
53021	HERMESIT RB 530 X	P: 120,180-320,400,500,800	red	insignificant	0 - 1,5 %
59010	MERCURIT BW 590	P: 180,240,320,400,600	reddish brown	insignificant	10 - 15%
59130	MERCURIT RB 591 Y	P: 180,240,320,400,600	reddish brown	insignificant	0 - 11%
59131	MERCURIT RB 591 Y op	P: 120	reddish brown	insignificant	0 - 10%
59730	MERCURIT RB 597 Y	P: 320	black	insignificant	4 - 10 %
		P: FEPA #: ANSI +: others			