

 FEDERATION EUROPEENNE DES FABRICANTS DE PRODUITS ABRASIFS		Reference / Product name: Group 5 Version/Revision (date): 2024-10-11 Printing date: 2024-10-11 page 1 of 7
Voluntary product information based on the format of a safety data sheet for coated abrasives¹		

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

1.1 Product identifier

Group 5 (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: Tasköprüstraße 1
D-22761 Hamburg

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

E-Mail: hsd@hermes-schleifmittel.com

National contact: www.hermes-schleifwerkzeuge.com

1.4 Emergency telephone number:

+49-(0)551-19240 (Poison Control Centre – North)

2. Hazards identification

2.1. Classification

Not applicable

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

2.2. Label elements

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

2.3. Other hazards

Not known.

¹ REACH requires Safety Data Sheet (SDS) only for hazardous substances and mixtures. Abrasive products are articles under REACH and therefore, SDS is not legally required.

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
Potassium- fluoroborate	237-928-2	14075-53-7	---	---	---	---

(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 CO₂ 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.

See also: FEPA GENERAL SAFETY PRINCIPLES (<https://fepa-abrasives.org/safety/safety-publications/general-principles-leaflet/>)

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/m³	ml/m³ (ppm)	mg/m³	ml/m³ (ppm)		
AGW (de)	Dust			1,25					TRGS 900 (D) A alveolar dust
AGW (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
EU	potassium fluoroborate	237-928-2	14075-53-7	2,5					Inhalable dust 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. Appropriate engineering controls

Please refer to section 7 of this Voluntary Product Information.

8.2.2. Individual protection measures

8.2.2.1. Respiratory protection: Use respiratory protective equipment

(type depends on specific application and material being ground)

8.2.2.2. Hand protection: Wear protective gloves

(type depends on specific application and material being ground)

8.2.2.3. Eye/face protection: Wear protective goggles or face shield

(type depends on specific application and material being ground)

8.2.2.4. Hearing protection: Use hearing protection

(type depends on specific application and material being ground)

8.2.2.5. Body protection: Use protective clothing

(type depends on specific application and material being ground)

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) Physical state: solid
- b) Colour: see appendix
- c) Solubility in water: see appendix

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

The product is 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

The product is 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 hazard classes as defined in Regulation (EC) No 1272/2008

The product is an article and thus not classified according to Regulation (EC) No 1272/2008.

11.2. Information on other hazards

Toxicological effects by inhalation, eye and skin contact and by ingestion are not known. Instructions under No. 8 of this product information should be taken into consideration

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. Endocrine disrupting properties

No effects known.

12.7. Other adverse effects

No effects known.

13. Disposal considerations

13.1. Waste treatment methods

a) 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)

b) 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

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.

16. Other information

Changes to the previous versions

See sections 1 to 16.

Literature and data sources (not exhaustive)

REACH Regulation (EC) Nr. 1907/2006
Regulation (EC) N° 1272/2008
Directive 98/24/EC
Directive 2004/37/EC
Regulation (EU) 2016/425
Decision 2000/532/EC
Transport regulations according to ADR, RID und IATA.

Hazard statements referred to in section 3

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

None

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

+49 (0) – 40-8330 – 0 open Monday to Friday 8⁰⁰ – 15⁰⁰ (CET)

Code:	Type	Grit range	Colours	Solubility	Concentration	
					Cryolite	Potassium fluoroborate
11600	BW 116	P: 60-320,400	blue	insignificant	1 - 2%	5 - 10%
17600	CERAMIT CR 176	+: 40,60,80	green	insignificant	5 - 10%	15 - 20%
30760	RB 307 J-flex	P: 280	blue	insignificant	0,5 - 3%	1 - 10%
31444	RB 314 fibre	P: 24-120	reddish brown	insignificant	1 - 2%	1 - 2%
31446	RB 314 46 fibre	P: 60	reddish brown	insignificant	1 - 2%	2 - 3 %
34674	RB 346 X-flex Procut	P: 80	reddish brown	insignificant	1 - 3%	5 - 15%
40660	RB 406 J-flex	P: 60-320+400	blue	insignificant	0,5 - 3%	1 - 10%
41450	RB 414 X-Procut	+: 36-120	blue	insignificant	3 - 10%	2 - 3%
45640	CERAMIT CR 456 Z	+: 36-120	green	insignificant	4 - 10%	5 - 15%
45647	CERAMIT CR 456 Z VEL	+: 36,40,60-120	green	insignificant	4 - 10%	5 - 15%
45650	CERAMIT CR 456 fibre-Procut	+: 36,50-120	green	insignificant	2 - 5%	4 - 15%
45660	CERAMIT CR 456 J-flex	+: 80-220	green	insignificant	6 - 10%	5 - 15%
46600	CERAMIT CN 466 J	+: 60	green	insignificant	5 -10%	10 - 15%
46670	CERAMIT CN 466 X-flex	+: 60-240	green	insignificant	5 - 10%	5 - 15%
46677	CERAMIT CN 466 X-flex VEL	+: 180	green	insignificant	4 - 5%	5 - 10%
47600	CERAMIT CR 476 J	+: 80-120,180-240	green	insignificant	5 - 10%	5 - 15%
47640	CERAMIT CR 476 Z	+: 24-120	green	insignificant	4 - 15%	5 - 20%
48624	RB 486 24 YX	+: 40,60,80,120	blue	insignificant	5 - 10%	4 - 10%
48644	RB 486 44 Z	+: 36,40,60,80	blue	insignificant	5 - 10%	2 - 4%
48647	RB 486 44 Z VEL	+: 80	blue	insignificant	5 - 10%	2 - 3%
48830	SB 488 Y	+: 40,60	brown	insignificant	3 - 4%	2 - 3%
49640	ZR 496 Z	#: 24-80,120	blue	insignificant	5 - 10%	2 - 4 %
54003	Hermesit RB 540 EJ	P:150	black	insignificant	5 - 10%	4 - 5%
51441	HERMESIT RB 514 J-flex	P: 120,150	brown	insignificant	1 - 2%	3 - 4%
53067	HERMESIT RB 530 J VEL	P: 120,150,180	red	insignificant	1 - 3%	3 - 5%
		P: FEPA #: ANSI +: others				