



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS

metabo[®]

Reference / Product name:
Coated abrasives group KK
Version / Revision (date): 2012-02-08
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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

Coated abrasives group KK (Schleifmittel auf Unterlage Gruppe KK)

Metabo Item-No. 6.26308.00, 6.26309.00, 6.26310.00

1.2 Use of the products

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

1.3 Details of the supplier of the voluntary product information

Company :	Metabowerke GmbH
Address :	Metabo-Allee 1 72622 Nürtingen
Phone :	+49 (0) 7022 / 720
Fax :	+49 (0) 7022 / 72 2714

1.4 Emergency telephone number

+49-(0)551-19240

2. Hazards identification

2.1. Classification

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to directive 1999/45/EC or 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 directive 1999/45/EC or Regulation (EC) N° 1272/2008.

2.3. Other hazards

Not known.



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3. Composition/information on ingredients

The products contain the following ingredients which are classified according to 67/548/EEC or 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)		Classification acc. to Directive 67/548/EWC
					Hazard classes/ hazard categories	Hazard statements	
Cryolite (sodium aluminium fluoride)	237-410-6	13775-53-6	01-2119511565-43	1 - 5 %	Acute Tox. 4 STOT RE 1 Repr . 2 Aquatic Chronic 2	H 332 H372 H362 H411	T; R48/23/25 Xn; R20 N; R51/53 R64
Potassium fluoroborate	237-928-2	14075-53-7		3 - 35 %	Eye Irrit. 2A	H319	Xi; R36

(For full text of H- and R-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 products

Eye contact: Not possible, due to the form of the products

Skin contact: No harmful effects known

Ingestion: Not likely, due to the form of the products; 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



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5.2. Special hazards arising from the products

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/m³	ml/m³ (ppm)	mg/m³	ml/m³ (ppm)		
WEL (UK)	cryolite	237-410-6	13775-53-6	2,5 *					HSC, (fluorides, inorganic as F)
"	Potassium fluoroborate	237-928-2	14075-53-7	"					"

*Valid for UK, other countries: observe national values (please see attachment "International Limit Values", page 7)

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)



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- 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. Information on basic physical and chemical properties

- 9.1.1 Physical state: solid
- 9.1.2 Colour: according to the type of product
- 9.1.3 Solubility in water: not measured

9.2. Other information

None

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.



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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.

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.

13. Disposal considerations

13.1. Waste treatment methods

13.1. Product

Follow national and regional regulations.

- O 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),
- X Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

13.2. Packing

Follow national and regional regulations.

14. Transport information

The products are not covered by international regulation on the transport of dangerous goods.



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15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the products

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

Directive (1999/45/EC), amended by Regulation (EC) N°. 1907/2006.
Directive (67/548/EWG), amended by Directive 2009/2/EC.
REACH Regulation (EC) Nr. 1907/2006, amended by Regulation (EC) N° 552/2009.
Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 790/2009.
Directive 2000/39/EG, amended by Directive 2009/161/EC
Directive 75/324/EWG, amended by Regulation (EC) N° 219/2009.
Transport regulations according to ADR, RID und IATA.

Hazard statements referred to in section 2 and 3

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

H – phrases for cryolite

H 332	Harmful if inhaled
H 372	May cause damage to organs (lung, skeleton) to prolonged or repeated exposure
H 362	May cause harm to breast-fed babies
H 411	Toxic to aquatic life with long lasting effects

H - phrases for potassium fluoroborate

H319	Causes serious eye irritation
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According to Directive 67/548/EWC:

R – phrases for cryolite

R 20	Harmful by inhalation
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 64	May cause harm to breast-fed babies

R – phrases for potassium fluoroborate

R 36	Irritating to eyes
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International Limit Values *

Substance: Fluoride (inorganic as F) CAS No. 16984-48-8

	<u>Limit value - Eight hours</u> mg/m ³	<u>Limit value – Short term</u> mg/m ³
Austria	2,5 inhalable aerosol	12,5 inhalable aerosol
Belgium	2,5	
Canada-Québec		
Denmark	2,5	5
European Union	2,5	
France	2,5	
Germany (AGS)	1 inhalable aerosol	4 inhalable aerosol
Germany (DGF)	1 inhalable aerosol	4 inhalable aerosol
Hungary	2,5	10
Italy	2,5	
Japan		
Poland	1	3
Spain	2,5	
Sweden	2	
Switzerland	1 inhalable aerosol	4 inhalable aerosol
The Netherlands		
USA – NIOSH		
USA – OSHA	2,5	
United Kingdom	2,5	

Remarks:

Germany (AGS)	15 minutes average value
Germany (DFG)	STV 15 minutes average value

*(IFA / GESTIS, International limit values for chemical substances)



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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.