



FEDERATION EUROPEENNE
DES FABRICANTS DE
PRODUITS ABRASIFS

metabo[®]

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page 1 of 6

**Voluntary product information based on the format of a safety data sheet
for organic bonded abrasives**

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

1.1 Product identifier

6.16285 M-Calibur 115x1,6x22,23 mm

1.2 Use of the product

Cutting and Grinding of materials such as : steel, stainless steel, aluminium and stone

1.3 Details of the supplier of the voluntary product information:

Company: Metabowerke GmbH

Address: Metabo-Allee 1

D-72622 Nürtingen

Phone: +49 7022 72-2401

Fax: +49 7022 72 2897

E-mail: sdeeken@metabo.de

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.

3. Composition/information on ingredients

The product contains 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:

	Name	CAS	EG Nr. (ELINCS/EINECS)	Concentration area	Classifi- cation	R-Phrases
	Hexafluoroaluminate	13775-52-5		0% - 12%	Xn/Xi	R22 R36/37/38
	Aluminium Potassium Fluoride	60304-36-1		0% - 12%	Xn/Xi	R22 R36/37/38

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

The product contains the following ingredients which are no marking classified according to 67/548/EEC or Regulation (EC) Nr. 1272/2008

	Name	CAS	EG Nr. (ELINCS/EINECS)	Concentration area	Classifi- cation	R-Phrases
	Phenolic Resin	9002-35-4		0% - 20%		
	Pyrite	1309-36-0		0% - 20%		
	Zinc Sulphide	1314-98-3	215-251-3	0% - 15%		
	Titanium dioxide	13463-67-7	236-675-5	0% - 10%		
	Silicon Carbide	409-21-2	206-991-8	0% - 80%		
	Baryta	7727-43-7	231-784-4	0% - 15%		
	Zirconium oxide	68955-26-0	273-262-9	0% - 70%		
	Aluminium oxide	1344-28-1		0% - 80%		
	Calcium Carbonate	471-34-1		0% - 15%		

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.

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)

	Name	CAS	EG Nr.	Concentration limits (daily average value)
	Total Powder			10 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. 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)

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- 9.1 Physical state: solid
- 9.2 Colour: variable
- 9.3 Solubility in water: not soluble

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.

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),

13.2. 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

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 Directive 67/548/EWC:**

R 22 Dangerous for ingestion

R 36/37/38 Irritant for eyes, respiratory tracts and skin

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.