



FEDERATION EUROPEENNE DES FABRICANTS  
DE PRODUITS ABRASIFS



Reference / Product name:  
Cup grinding wheels group KC  
Version / Revision (date): 22-08-2016  
page 1 of 8

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

The grinding discs and cutting-off wheels itself don't cause any harmful effects to human health and environment when they are handled or stored in an appropriate way. For grinding, operators should prepare safety equipments as goggles, dust mask/extraction facilities, ear protector, protective gloves and clothing to prevent themselves from possible dust, particles, heavy noise and unexpected risks.

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

### **1.1. Product identifier**

Cup grinding wheels group KC (Schleiftöpfe Gruppe KC)

Cup grinding wheels:

**A 16 R SUPRA** 110 x 55 x 22,23 mm; **A 30 R SUPRA** 110 x 55 x 22,23 mm;

**C 16 R SUPRA** 110 x 55 x 22,23 mm; **C 30 R SUPRA** 110 x 55 x 22,23 mm

### **1.2. Use of the products**

Organic bonded abrasives for the grinding of different kinds of materials.

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

Company: KLINGSPOR Schleifsysteme GmbH & Co. KG

Address: Hüttenstr. 36

D-35708 Haiger

Phone: +49-(0)2773-922-0 Fax: +49-(0)2773-922-195

E-mail: andrea.hangg-krenzer@klingspor.de

### **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 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 products contain 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 (sodium aluminium fluoride)	237-410-6	13775-53-6	01-2119511565-43	3 - 8 %	Acute Tox. 4 STOT RE 1 Repr . 2 Aquatic Chronic 2	H332 H372 H362 H411
Calcium oxide	215-138-9	1305-78-8		1 %	Eye Dam. 1	H318

(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 CO<sub>2</sub> as appropriate for surrounding materials



## 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.

Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage und distortion.

## 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)		
WEL (UK)	cryolite	237-410-6	13775-53-6	2,5 *					HSL, (fluorides, inorganic as F)
European Union	"	"	"	2,5					
"	calcium oxide	215-138-9	1305-78-8	2,0 *					HSL

\*Valid for UK, other countries: observe national values (please see attachment "International Limit Values", page 7/8)

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

- 9.1.1 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

Organic bonded 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

Organic bonded 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),
- 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.

---

## 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

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:

##### Cryolite

H 332	Harmful if inhaled
H 372	Causes 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

##### Calcium oxide

H318	Causes serious eye damage
------	---------------------------



FEDERATION EUROPEENNE DES FABRICANTS  
DE PRODUITS ABRASIFS



Reference / Product name:  
Cup grinding wheels group KC  
Version / Revision (date): 22-08-2016  
page 7 of 8

### International Limit Values \*

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

Countries	Limit value – Eight hours , mg/m <sup>3</sup>	Limit value – Short term mg/m <sup>3</sup>
Austria	2,5 inhalable aerosol	12,5 inhalable aerosol
Belgium	2,5	-
Denmark	2,5	5
European Union	<b>2,5</b>	-
France	2,5	-
Germany (AGS)	1 inhalable aerosol	4 inhalable aerosol (1)
Germany (DFG)	1 inhalable aerosol	4 inhalable aerosol
Hungary	2,5	10
Ireland	2,5	-
Italy	2,5	-
Latvia	2,5	-
Poland	1	3
Singapore	2,5	-
Spain	2,5	-
Sweden	2	-
Switzerland	1 inhalable aerosol	4 inhalable aerosol
Turkey	2,5	-
USA - OSHA	2,5	-
United Kingdom	2,5	-
Remarks: European Union Indicative Occupational Exposure Limit Values (2,3) and Limit Values for Occupational Exposure (4) (for references see bibliography) Germany (AGS) (1) 15 minutes average value Germany (DFG) STV 15 minutes average value		

\*(IFA / GESTIS Stoffdatenbank , Internationale Grenzwerte für chemische Substanzen)



FEDERATION EUROPEENNE DES FABRICANTS  
DE PRODUITS ABRASIFS



Reference / Product name:  
Cup grinding wheels group KC  
Version / Revision (date): 22-08-2016  
page 8 of 8

### International Limit Values \*

Substance: Calcium oxide CAS No. 1305-78-8

Countries	Limit value – Eight hours mg/m <sup>3</sup>	Limit value – Short term mg/m <sup>3</sup>
Australia	2	-
Austria	2 inhalable aerosol	4 inhalable aerosol
Belgium	2	-
Canada-Ontario	2	-
Canada-Québec	2	-
Denmark	2	4
Finland	2	-
France	2	-
Germany (AGS)	1 (1)	2 (1)(2)
Germany (DFG)	1 (1)	2 (1)(2)
Hungary	5	5
Ireland	2	-
Latvia	5	-
New Zealand	2	-
People's Republic of China	2	
Poland	2	6
Singapore	2	-
South Korea	2	-
Spain	5	-
Sweden	1	2,5 (1)
Switzerland	2 inhalable aerosol	2 inhalable aerosol
USA - NIOSH	2	-
USA - OSHA	5	-
United Kingdom	2	-
Remarks: Germany (AGS): (1) Inhalable fraction; (2) 15 minutes average value Germany (DFG): (1) Inhalable fraction; (2) 15 minutes reference period Sweden: Inhalable dust (1) Short-term value, 15 minutes average value		

\*(IFA / GESTIS Stoffdatenbank , Internationale Grenzwerte für chemische Substanzen)

-----  
 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: Laboratory

Contact: Dr. Irene Bock, Andrea Hangg-Krenzer