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| <br>FEDERATION EUROPEENNE DES<br>FABRICANTS DE PRODUITS ABRASIFS |  <b>KLINGSPOR</b><br><i>Schleiftechnologie</i> | Reference / Product name:<br>Grinding discs and cutting-off wheels<br>group K<br>Version / Revision (date): 2012-02-14<br>page 1 of 8 |
| <b>Voluntary product information based on the format of a safety data sheet<br/>for organic bonded abrasives</b>                                  |   |   |

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

### 1.1 Product identifier

Grinding discs, cutting-off wheels group K (Schrupp- und Trennscheiben Gruppe K)

Types:

Grinding discs: A 24 Extra 150-230 x 6-8 x 22,23 mm; A 24 Extra T 180-230 x 6-8 x 22,23 mm;  
A 24 N Supra 115-230 x 4-8 x 22,23 mm; A 24 R Supra 100-230 x 4-10 x 16-22,23 mm;  
A 24 R 01 Special 115-180 x 4 x 22,23 mm; A 24 R 36 Special 100-180 x 4-6 x 16-22,23 mm;  
A 24 S Supra 180 x 7-8 x 22,23 mm; A 24 TZ Special 125-230 x 6 x 22,23 mm;  
A 24 TX Special 115-230 x 6-8 x 22,23 mm; A 24 EX 318 180 x 6 x 22,23 mm;  
A 24 ST 125 x 6 x 22,23mm; A 30 M Special 150 x 6 x 22,23 mm; AC 24 R Supra 230 x 8 x 22,23 mm;  
AC 24 R Extra 180 x 8 x 22,23 mm; C 24 R Supra 115-180 x 6-10 x 22,23 mm

Cutting-off wheels: A 24 Extra 100-230 x 2-3,2 x 16-22,23 mm; A 24 ST Special 230 x 3 x 22,23 mm;  
A 24 N Supra 115-230 x 2,5-3,5 x 22,23 mm; A 24 R Supra 100-350 x 2,5-4 x 16-32,0 mm;  
A 24 R Special 300-350 x 3,5-4 x 20-25,4 mm; A 24 R 36 Special 100-230 x 2,5-3 x 16-22,23 mm;  
A 24 SXPF Special 350-400 x 4 x 25,4 mm; A 24 SX Special 300-350 x 3,5-4 x 22,23-32 mm;  
A 24 TZ Special 115-230 x 2,5-3 x 22,23; A 36 R Supra 115-230 x 2-2,5 x 22,23 mm;  
A 36 TZ Special 115-230 x 2-2,5 x 22,23 mm; A 46 Extra 115-125 x 1,6 x 22,23 mm;  
A 46 R Special 115-230 x 1,6-1,9 x 22,23 mm; A 46 TZ Special 100-230 x 1,6-1,9 x 16,0-22,23 mm;  
A 60 Extra 115-125 x 1 x 22,23 mm; A 60 R Supra 115-125 x 1 x 22,23 mm;  
C 24 R Supra 100-350 x 2,5-3,5 x 16-25,4 mm; C 24 RA Special 300-350 x 3,5-4 x 20-25,4 mm; C 24 RT  
Special 300 x 3,5 x 20-22,23 mm; C 24 RT 34 Special 300 x 3,5 x 20-22,23 mm;  
C 24 Extra 100-350 x 2,5-4 x 16-25,4 mm, T 24 AX Special 300-400 x 3,5-4 x 22,23-25,4 mm

### 1.2 Use of the products

Organic bonded abrasives for the grinding / cutting 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 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 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<br>Registration N° | Conc.<br>(%) | Classification acc. to Regulation<br>(EC) N° 1272/2008 (CLP) |                               | Classification<br>acc. to Directive<br>67/548/EWC |
|--|-----------|------------|--------------------------|--------------|--|-------------------------------|---|
|  |           |            |                          |              | Hazard classes/<br>hazard categories                         | Hazard<br>statements          |   |
| Cryolite<br>(sodium aluminium<br>fluoride) | 237-410-6 | 13775-53-6 | 01-2119511565-43         | 3 - 8 %      | Acute Tox. 4<br>STOT RE 1<br>Repr . 2<br>Aquatic Chronic 2   | H 332<br>H372<br>H362<br>H411 | T; R48/23/25<br>Xn; R20<br>N; R51/53<br>R64       |

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

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## **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.

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## **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.

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## **6. Accidental release measures**

Not applicable.

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## **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<br>(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) |
|   |           |           |            |                          |             |            |             |            |                                  |

\*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)
- 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



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



**KLINGSPOR**  
*Schleiftechnologie*

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group K  
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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.

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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.

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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.

- 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.

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### **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.                               |

#### 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.   |

### International Limit Values \*

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

|                 | <u>Limit value - Eight hours</u><br>mg/m <sup>3</sup> | <u>Limit value – Short term</u><br>mg/m <sup>3</sup> |
|-----------------|---|--|
| Austria         | 2,5 inhalable aerosol                                 | 12,5 inhalable aerosol                               |
| Belgium         | 2,5   |  |
| Canada-Québec   |   |  |
| Denmark         | 2,5   | 5  |
| European Union  | <b>2,5</b>  |  |
| 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.

Issued by: Laboratory

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