



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 1 of 7

**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

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; **A 624 T Supra** 115-230 x 6 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 SXP 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 N Supra** 115-125 x 1 x 22,23;
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



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 2 of 7

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 | H 332 H 372 H 362 H 411 |

(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



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 3 of 7

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 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 ³ | ml/m ³ (ppm) | mg/m ³ | ml/m ³ (ppm) | | |
| WEL (UK) | cryolite | 237-410-6 | 13775-53-6 | 2,5 * | | | | HSL, GESTIS (fluorides, inorganic as F) | |
| European Union | " | " | " | 2,5 | - | - | - | - | |

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



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 4 of 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

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.



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 5 of 7

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.

- 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)

13.2. Packing

Follow national and regional regulations.



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 6 of 7

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

Hazard statements referred to in section 2 and 3

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.

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

Cryolite

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



FEDERATION EUROPEENNE DES
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name:
Grinding discs and cutting-off wheels
group K
Version / Revision (date): 18-07-2016
page 7 of 7

International Limit Values *

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

| Countries | Limit value – Eight hours , mg/m ³ | Limit value – Short term mg/m ³ |
|----------------------------|--|---|
| Australia | - | - |
| Austria | 2,5 inhalable aerosol | 12,5 inhalable aerosol |
| Belgium | 2,5 | - |
| Canada-Ontario | - | - |
| Canada-Québec | - | - |
| Denmark | 2,5 | 5 |
| European Union | 2,5 | - |
| 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 | - |
| Japan | - | - |
| Latvia | 2,5 | - |
| New Zealand | - | - |
| People's Republic of China | - | - |
| Poland | 1 | 3 |
| Singapore | 2,5 | - |
| South Korea | - | - |
| 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: | | |
| 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)

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