



MATERIAL SAFETY DATA SHEET

PRODUCT NUMBER: 10 99 24

SECTION 1 PRODUCT IDENTIFICATION AND MANUFACTURE

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PRODUCT: General Purpose Abrasive Cut-Off Wheel

SECTION 2 SUBSTANCE HAZARD 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.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

The product contains 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° | Conc. (%) | Classification acc. to Regulation (EC) N° 1272/2008 (CLP) | | Classification Acc. to |
|------------------------------|-----------|------------|-----------|-------------------------------------------------------------------------|--------------------------------------|-----------------------------------------|
| | | | | Hazard classes/ hazard categories | | |
| Sodium-Aluminium-Fluoride | 237-410-6 | 13775-53-6 | <15 | Acute Tox. 4 Acute Tox. 4* STOT RE 1 Aquatic chronic 2 | H302 H332 H372 H411 | T; R48/23/25 Xn; R20/22 N; R51/53 |
| Potassium-Aluminium-Fluoride | 262-153-1 | 60304-36-1 | <15 | Eye irrit. 2 Acute Tox. 4 Lact. STOT RE 1 Aquatic chronic 3 | H319 H332 H362 H372 H412 | Xn; R22 Xi; R36/37/38 |
| | | | | | | |
| | | | | | | |

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



SECTION 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.

SECTION 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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Not applicable.

SECTION 7 HANDLING AND STORAGE

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.



SECTION 8 EXPOSURE CONTROL/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) | | |
| MAK (A) | Fluoride | 237-410-6 | 13775-53-6 | 2,5 | | 12,5 | | GKV | |
| MAK (A) | Fluoride | 262-153-1 | 60304-36-1 | 2,5 | | 12,5 | | GKV | |
| | | | | | | | | | |

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)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical state:** solid
- 9.2 Colour:** various
- 9.3 Solubility in water:** not applicable

SECTION 10 STABILITY AND REACTIVITY PROPERTIES

- 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.

SECTION 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.

SECTION 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.

SECTION 13

DISPOSAL CONSIDERATIONS

13.1. Product

Follow national and regional regulations.

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

13.2. Packing

Follow national and regional regulations.

SECTION 14

TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods.



SECTION 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.

SECTION 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:

| | |
|------|-----------------------------------------------------------------|
| H302 | Harmful if swallowed. |
| H332 | Harmful if inhaled. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H319 | Causes serious eye irritation. |
| H362 | May cause harm to breast-fed children. |
| H412 | Harmful to aquatic life with long lasting effects. |

According to Directive 67/548/EWC:

| | |
|-----------|-----------------------------------------------------------------------------------------------------|
| R20 | Harmful by inhalation |
| R48/23/25 | Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R64 | May cause harm to breast-fed babies |
| R36 | Irritating to eyes |
| R48/23 | Toxic: danger of serious damage to health by prolonged exposure through inhalation |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

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.