

**ARKFO**Revision date: 2016-10-28

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**1. Identification of the product and of the company****1.1 Product identifier**

ARKFO

**1.2 Use of the product**

Coated abrasives on backing for grinding/sanding different materials

**1.3 Details of the supplier of the safety data sheet**

Company: Ekamant AB  
Address: Järnvägsgatan 44  
Box 114  
285 23 MARKARYD, SWEDEN

Tel +46 433 79700

Fax +46 433 79797

**1.4 Emergency telephone number**

Tel +46 433 79700

Only available during office hours. (UTC/GMT +1:00/+2:00)

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**2. Hazards identification****2.1 Classification of the product**

Coated abrasives are not dangerous products as defined in (EC) No 1272/2008.

**2.2 Label elements**

Coated abrasives are not dangerous products as defined in (EC) No 1272/2008 and therefore no labelling is required.

**2.3 Other hazards**

Not known

**IMPORTANT NOTICE:**

Coated abrasives are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific measures to protect the operators. During the grinding operation 90% or more of the particulates of the dust come from the material

being ground and, for wet grinding, from aerosols generated by the grinding fluid.

Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

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### 3. Composition/information on ingredients

- Abrasive:  Synthetic Aluminium oxide
- Synthetic Silicon Carbide
- Zirconia Alumina (ZrO<sub>2</sub> - Al<sub>2</sub>O<sub>3</sub>)
- Others: \_\_\_\_\_

- Bond:  Glue (natural material derived from plant or animal)
- Cured phenolic resin
- Cured urea / melamine resin
- Others: \_\_\_\_\_

- Fillers:  Calcium carbonate
- Kaolin
- Graphite
- Cryolite
- Potassium tetrafluoroborate
- Others: \_\_\_\_\_

- Backing:  Paper
- Cotton cloth
- Polyester cloth
- Combination, paper/cloth
- Others: \_\_\_\_\_

- Others:  Zink stearate
- Calcium stearate
- \_\_\_\_\_
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**Hazardous components:**

The product contains the following ingredients which are classified according to (EC) No 1272/2008

Name	EC No	CAS No	Conc. (%)	Classification

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**4. First aid measures****4.1 Description of first aid measures**

The following recommendations are basic rules during a grinding operation, they must be followed in conjunction with the information appearing in the Safety data sheets of the material ground and of the grinding fluid when used.

- Dust inhalation: Remove from exposure, seek medical advice if symptoms persist.
- Eye: Remove from exposure and flush with clear water. If symptoms persist seek medical advice.
- Skin: No hazardous effect known.
- Ingestion: No hazardous effect known.

**4.2 Most important symptoms and effects, both acute and delayed**

Not applicable

**4.3 Indication of any immediate medical attention and special treatment needed**

Not applicable

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**5. Firefighting measures****5.1 Extinguishing media**

Water, powder, foam, sand, CO<sub>2</sub> can be used if compatible with operation conditions.

**5.2 Special hazards arising from the product**

Toxic fumes may occur. Use respiratory protective equipment.

**5.3 Advice for firefighters**

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**

Store coated abrasives in moderate constant temperature and humidity conditions.

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**8. Exposure controls and personal protection****8.1 Control parameters**

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly

During the grinding operation with coated abrasives particles of dust come from the material being ground.

The general value for dust is max. 6 mg/m<sup>3</sup>.

When using coated abrasives, refer to grinding machines instructions and to national rules.

**8.2 Exposure controls**

The following personal protective equipment should be used on dependent on the operation and material being ground.

- Eye protect Machine guarding and safety goggles or face shield.
  - Dust protec Use of dust mask.
  - Hand prote Use of barrier cream and protective gloves.
  - Ear protect Use of ear defenders or equivalent.
  - Skin protec Use of suitable protective clothing.
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**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Physical state:	Solid
Colour:	Variable
Odour:	Not applicable (May give off non specific odour in use)
pH:	Not applicable
Change in physical state:	Not applicable
Density:	Not applicable
Bulk density	Not applicable
Vapour pressure:	Not applicable
Flash point:	Not applicable
Explosion properties:	Not applicable
Viscosity:	Not applicable
Solubility in water:	Not applicable

**9.2 Other information**None.

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**10. Stability and reactivity****10.1 Reactivity**

Coated abrasives are stable and non reactive when handled or stored in recommended conditions.

**10.2 Chemical stability**

Strong acids, strong bases and strong oxidising agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.

**10.3 Possibility of hazardous reactions**

If coated abrasives are used in accordance with instructions no hazardous decomposition products are created.

**10.4 Conditions to avoid**

Product is 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**

According to the experience gathered for many years, coated abrasives, when properly used no adverse effect on health, refer to the preliminary note about dust and aerosols of grinding fluid.

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**12. Ecological information**

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|---|------------------------------------|
| <b>12.1 Toxicity:</b>                           | No effects known                   |
| <b>12.2 Persistence and degradability:</b>      | No biodegradable potentials known. |
| <b>12.3 Bioaccumulative potential:</b>          | No potentials known.               |
| <b>12.4 Mobility in soil:</b>                   | No potentials known.               |
| <b>12.5 Results of PBT and vPvB assessment:</b> | Not applicable                     |
| <b>12.6 Other adverse effects:</b>              | No effects known.                  |
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**13. Disposal considerations****13.1 Waste treatment methods**

After use, coated abrasives may be contaminated with hazardous materials (particles or cooling agents) and should be disposed of in accordance with national and regional regulations.

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**14. Transport information**

Coated abrasives are not dangerous products.

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**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the product**

No specific labelling required under respective EC directives

**15.2 Chemical safety assessment**

Not relevant

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**16. Other information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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