



# MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES

# MIRKA

Format by FEPA as per EC Directive 91/155 and ISO Standard 11014

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**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.

## 1. PRODUCT IDENTIFICATION

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1 Abrasive  Synthetic Aluminum Oxide  
 Synthetic Silicon Carbide  
 Zirconia Alumina (ZrO<sub>2</sub> - Al<sub>2</sub>O<sub>3</sub>)  
 Others \_\_\_\_\_
- 2.2 Bond  Glue (natural material derived from plant or animal)  
 Cured phenolic resin  
 Cured urea / melamine resin  
 Others \_\_\_\_\_
- 2.3 Fillers  Calcium Carbonate  
 Kaolin  
 Cryolite  
 Others \_\_\_\_\_
- 2.4 Backing  Paper  
 Cotton Cloth  
 Combination, paper cloth  
 Cloth containing polyester  
 Vulcanized fiber  
 Others \_\_\_\_\_
- 2.5 Others Stearate coating as a supersize

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### 3. HAZARDS IDENTIFICATION

NOT APPLICABLE.

Coated abrasives are not dangerous products as defined in EC Directive No. 88/379.

### 4. FIRST AID MEASURES

APPLICABLE WHEN COATED ABRASIVES ARE IN USE ON MACHINES

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

Dust Inhalation:	Remove from exposure, seek medical advice if symptoms persist.
Eyes:	Remove from exposure and flush with clean water. If symptoms persist seek medical advice.
Skin:	No hazardous effect known.
Ingestion:	No hazardous effect known.

### 5. FIRE FIGHTING MEASURES

NONE SPECIFIC.

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

### 6. ACCIDENTAL RELEASE MEASURES

NOT APPLICABLE.

### 7. HANDLING AND STORAGE

Follow recommendations for machines and federal, state and local regulations.

Store coated abrasives in moderate, constant temperature and humidity conditions.

For detailed recommendations refer to the FEPA Safety Leaflet for Coated Abrasives.

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

NOT APPLICABLE WHEN COATED ABRASIVES ARE HANDLED OR STORED.

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>2</sup>.

When using coated abrasives, follow recommendations for machines and federal, state and local regulations. Refer also to the FEPA Safety Leaflet for Coated Abrasives.

**8. EXPOSURE CONTROL AND PERSONAL PROTECTION (continued)****8.1 The following personal protective equipment should be used dependent on the operation and the material being ground.**

Eye Protection:	Machine guarding and safety goggles or face shield
Dust Protection:	Use of appropriate dust mask
Hand Protection:	Use of barrier cream or protective gloves
Ear Protection:	Use of ear defenders or equivalent
Skin Protection:	Use of suitable protective clothing

**8.2 Hygiene measures**

No specific requirements.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>9.1 Physical state:</b>	Solid
<b>9.2 Color:</b>	Variable
<b>9.3 Odor:</b>	Not Applicable (May give off non-specific odor in use)
<b>9.4 pH:</b>	Not Applicable
<b>9.5 Change of physical state:</b>	Not Applicable
<b>9.6 Density:</b>	Not Applicable
<b>9.7 Bulk density:</b>	Not Applicable
<b>9.8 Vapor pressure:</b>	Not Applicable
<b>9.9 Explosion properties:</b>	Not Applicable
<b>9.10 Viscosity:</b>	Not Applicable
<b>9.11 Solubility in water:</b>	Not Defined

**10. STABILITY AND REACTIVITY**

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

<b>10.1 Conditions to avoid:</b>	Not applicable
<b>10.2 Material to avoid:</b>	Strong acids, strong bases and strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
<b>10.3 Decomposition products:</b>	If coated abrasives are used in accordance with instructions, no hazardous decomposition products are created.

**11. TOXICOLOGICAL INFORMATION**

NOT APPLICABLE WHEN HANDLED OR STORED.

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



Fédération Européenne des Fabricants de Produits Abrasifs

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### 12. ECOLOGICAL INFORMATION

12.1	<b>Mobility:</b>	Not Applicable
12.2	<b>Persistence and degradability:</b>	Not Defined
12.3	<b>Bioaccumulative potential:</b>	Not Applicable
12.4	<b>Ecotoxicity:</b>	Not Applicable

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT

Coated abrasives are not dangerous products.

### 15. REGULATORY INFORMATION

<b>EC-Regulations:</b>	NONE. No specific marking required under the EC-Directive No. 88/379
<b>National Regulations:</b>	Refer to relevant texts.
<b>State Regulations:</b>	Refer to relevant texts.
<b>Local Regulations:</b>	Refer to relevant texts.

### 16. OTHER INFORMATION

WARNING!

The above indications are based on the existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by the users who remain responsible for the use of coated abrasives.