



Fédération Européenne
des fabricants
de Produits Abrasifs

MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES
Format by FEPA as per EC Directive 91/155/EEC 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 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** **POLY-MAGIC-WHEEL**

2. **Composition/information on ingredients**

- 2.1 Abrasive
- Synthetic Aluminium oxide , or
 - Synthetic Silicon Carbide
 - Zirconia Alumina ($ZrO_2 - Al_2O_3$)
 - 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: grit contains neutral filler
- 2.4 Backing
- Paper
 - Cotton cloth
 - Combination, paper/cloth
 - Cloth containing polyester
 - Vulcanized fibre
 - Others: Polyamide non-woven web
- 2.5 Others:

<p>3. Hazards identification</p>	<p>NOT APPLICABLE.</p> <p>Coated abrasives are not dangerous products as defined in EC Directive n° 88/379</p>
<p>4. First aid measures</p>	<p><u>Applicable when Coated Abrasives are in use on machines.</u></p> <p>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.</p> <ul style="list-style-type: none"> - Dust inhalation Remove from exposure, seek medical advice if symptoms persist - Eye Remove from exposure and flush with clean water If symptoms persist seek medical advice. - Skin No hazardous effect known. - Ingestion No hazardous effect known.
<p>5. Fire fighting measures</p>	<p>NONE specific.</p> <p>Water, powder, foam, sand, CO₂ ... can be used if compatible with operating conditions.</p>
<p>6. Accidental release measures</p>	<p>NOT APPLICABLE.</p>
<p>7. Handling and storage</p>	<p>Follow recommendations for machines and national regulations.</p> <p>Store coated abrasives in moderate constant temperature and humidity conditions.</p> <p>For detailed recommendations refer to the FEPA Safety Leaflet for Coated Abrasives.</p>
<p>8. Exposure control and personal protection</p>	<p>NOT APPLICABLE WHEN COATED ABRASIVES ARE HANDLED OR STORED.</p> <p>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/m³.</p> <p>When using coated abrasives, refer to grinding machines instructions and to the national rules. Refer also to the FEPA Safety Leaflet for Coated Abrasives.</p> <p>8.1 The following personal protective equipment should be used dependent on the operation and the material being ground</p> <ul style="list-style-type: none"> - Eye protection Machine guarding and safety goggles or face shield. - Dust protection Use of dust mask. - Hand protection Use of barrier cream and protective gloves. - Ear protection Use of ear defenders or equivalent. - Skin protection Use of suitable protective clothing. <p>8.2 Hygiene measures No specific requirements.</p>

9.	Physical and chemical properties	
9.1	Physical state	Solid
9.2	Colour	Variable
9.3	Odour	Not applicable (may give off non specific odour in use)
9.4	pH	Not applicable
9.5	Change of physical state	Not applicable
9.6	Density	Not applicable
	Bulk density	Not applicable
9.7	Vapour pressure	Not applicable
9.8	Flash point	Not applicable
9.9	Explosion properties	Not applicable
9.10	Viscosity	Not applicable
9.11	Solubility in water	Not applicable
10.	Stability and reactivity	
	Coated abrasives are stable and non reactive when handled or stored.	
10.1	Conditions to avoid	Not applicable.
10.2	Materials to avoid	Strong acids, strong bases & strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines
10.3	Hazardous decomposition products	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, coated abrasives, when properly used have no adverse effect on health, refer to the preliminary note about dust and aerosols of grinding fluid.	
12.	Ecological information	
12.1	Mobility	Not applicable
12.2	Persistence and degradability	Not defined
12.3	Bioaccumulative potential	Not applicable
12.4	Ecotoxicity	Not applicable
13.	Disposal considerations	
	After use, Coated abrasives may be contaminated with hazardous materials (particle or cooling agents) and should be disposed of in accordance with national regulations.	
14.	Transport	Coated abrasives are not dangerous products
15.	Regulatory information	
	EC-Regulations: NONE, no specific marking required under the EC-Directive n° 88/379 National or local regulations: refer to relevant texts.	
16.	Other information	
	WARNING ! The above indications are based on existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by users who remain responsible for the use of Coated Abrasives	