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## MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES

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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 therfor be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

<b>1. PRODUCT IDENTIFICATION</b> AESMNS	<b>DATE:</b> 2006-03-08
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

2.1 Abrasive:  Synthetic Aluminium oxide  
 Synthetic Silicon Carbide  
 Zirconia Alumina (ZrO2 - Al2O3)  
 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  
 Polyester cloth  
 Combination, paper/cloth  
 Others: \_\_\_\_\_

2.5 Others: \_\_\_\_\_

<b>PRODUCT IDENTIFICATION</b> AESMNS	<b>DATE:</b> 2006-03-08
<b>3. HAZARDS IDENTIFICATION</b>  NOT APPLICABLE  Coated abrasives are not dangerous products as defined in EC Directive No 88/379	
<b>4. FIRST AID MEASURES</b>  NOT APPLICABLE WHEN COATED ABRASIVES ARE IN USE ON MACHINE  The following recommendations are basic rules durin a grinding operation, they must be followed in conjunction with the information appering 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.	
<b>5. FIRST FIGHTING MEASURES</b>  NONE specific. Water, powder, foam, sand, CO <sub>2</sub> ... can be used if compatible with operation conditions.	
<b>6. ACCIDENTAL RELEASE MEASURES</b>  NOT APPLICABLE	
<b>7. HANDLING AND STORAGE</b>  Follow recommendations for machines and national regulations.  Store coated abrasives in moderate constant temperature and humidity conditions.	
<b>8. EXPOSURE CONTROLL AND PERSONAL PROTECTION</b>  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>3</sup> .  When using coated abrasives, refer to grinding machines instructions and to national rules.  8.1 The following personal protective equipment should be used on dependent on the operation and material being ground.  - 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.	

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8.2	Hygiene measures:  No specific requirements.	
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
9.1	Physical state:	Solid
9.2	Colour:	Variable
9.3	Oudor:	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 defined
<b>10. STABILITY AND REACTIVITY</b>		
	Coated abrasives are stable and non reactive when handled or stored in recommended conditions.	
10.1	Conditions to avoid:	Not applicable
10.2	Material to avoid:	Strong acids, strong bases & strong oxidising agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
10.3	Hazardous decomposition products:	If caoted abracives are used in accordance with instructions no hazardous decomposition products are created.
<b>11. TOXICOLOGICAL INFORMATION</b>		
	NOT APPLICABLE WHEN HANDLED OR STORED	
	According to the experience gathered for many years, coated abrasives, when properly used no adverse effect om health, refer to the preliminary note about dust and aerosols of grinding fluid.	

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<b>12. ECOLOGICAL INFORMATION</b> 12.1 Mobility: Not applicable 12.2 Persistence and degradability: Not defined 12.3 Bioaccumulative potential: Not applicable 12.4 Ecotoxicity: Not applicable	
<b>13. DISPOSAL CONSIDERATIONS</b> <p>After use, coated abrasives may be contaminated with hazardous materials (particles or cooling agents) and should be disposed of in accordance with local or national regulations.</p>	
<b>14. TRANSPORT</b> <p>Coated abrasives are not dangerous products.</p>	
<b>15. REGULATORY INFORMATION</b> <p>EC-Regulations: NONE, no specific marking required under the EC-Directive No 88/379</p>	
<b>16. OTHER INFORMATIONS</b> <p>WARNING !</p> <p>The above indications are based on existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by the user who remain responsible for the use of coated abrasives.</p>	