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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

EKA-700-XY

DATE:

2010-01-18

2. COMPOSITION / INFORMATION ON INGREDIENTS2.1 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: Potassium Fluoraluminate2.4 Backing: ☐ Paper☒ Cotton cloth☒ Polyester cloth☐ Combination, paper/cloth☐ Others: _____

2.5 Others: _____

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3. HAZARDS IDENTIFICATION

The product contains the following ingredients which are classified according to 67/548/EEC and 99/45/EC

Name	EC Nr. (ELINCS/EINECS)	CAS Nr	Concentration range	Classification
Potassium Fluoraluminate	262-153-1	60304-36-1	0-40%	Xn, Xi R20/21/22 R36

4. FIRST AID MEASURES

NOT APPLICABLE WHEN COATED ABRASIVES ARE IN USE ON MACHINE

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.

5. FIRST FIGHTING MEASURES

NONE specific. Water, powder, foam, sand, CO₂... can be used if compatible with operation conditions.

6. ACCIDENTAL RELEASE MEASURES

NOT APPLICABLE

7. HANDLING AND STORAGE

Follow recommendations for machines and national regulations.

Store coated abrasives in moderate constant temperature and humidity conditions.

8. EXPOSURE CONTROLL 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/m³.

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

Name	CAS Nr.	Concentration limits (daily average value)	Short term value	Remarks
Potassium Fluoraluminate	60304-36-1	TLV/TWA 2,5 mg/m3		

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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.
8.2	Hygiene measures:	
	No specific requirements.	
9.	PHYSICAL AND CHEMICAL PROPERTIES	
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
10.	STABILITY AND REACTIVITY	
	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 coated abrasives are used in accordance with instructions no hazardous decomposition products are created.

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11. TOXICOLOGICAL INFORMATION NOT APPLICABLE WHEN HANDLED OR STORED 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.	
12. ECOLOGICAL INFORMATION 12.1 Mobility: Not applicable 12.2 Persistence and degradability: Not defined 12.3 Bio accumulative potential: Not applicable 12.4 Ecotoxicity: 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 local or national regulations.	
14. TRANSPORT Coated abrasives are not dangerous products.	
15. REGULATORY INFORMATION EC-Regulations: NONE, no specific marking required under the EC-Directive No 88/379	
16. OTHER INFORMATIONS WARNING ! R20/21/22: Dangerous when inhaled, swallow and skin contact. R36: Irritating to eyes. 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.	