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SECTION 1 : CHEMICAL PRODUCT and COMPANY IDENTIFICATION (N/A)

Product Name: **2928 Siaral X**
Manufacturer Name: SIA Abrasives Industries AG
Address: Muhlewiesenstrasse 20
 CH-8501 Frauenfeld

Business Phone: 052-724-41-11
Business Fax: 052-724-45-29
Revision Date: 18.03.00

MATERIAL SAFETY DATA SHEET FOR COATED ABRASIVES
 – Format by FEPA as per EC Directive 91/155 and ISO-Standard 11014 –

Authorised Person: Oertig Mike/FOE

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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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS : (N/A)

Ingredient Name	CAS#	Ingredient Percent
Bond: Cured phenolic resin EC Index Number: 1		
Abrasive: Synthetic Aluminium oxide EC Index Number: 1		
Fillers: Calcium carbonate EC Index Number: 1		
Backing: Cotton cloth EC Index Number: 1		

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SECTION 3 : HAZARDS IDENTIFICATION : (N/A)

Hazards identification: NOT APPLICABLE.

Coated abrasives are not dangerous products as defined in EC Directive N° 88/379.

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SECTION 4 : FIRST AID MEASURES : (N/A)

Eye Contact: Remove from exposure and flush with clean water
 If symptoms persist seek medical advice.

Skin Contact: No hazardous effect known.

Inhalation: Dust inhalation: Remove from exposure, seek medical advice if symptoms persist.

Ingestion: No hazardous effect known.

APPLICABLE WHEN COATED ABRASIVES ARE IN USE ON MACHINES.

The above 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.

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SECTION 5 : FIRE FIGHTING MEASURES : (N/A)

Explosion: Explosion properties: Not applicable
Flash Point: Not applicable
Fire Fighting Instructions: NONE specific.

Water, powder, foam, sand, CO2... can be used if compatible with operating conditions.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES : (N/A)

Spill Cleanup Measures: NOT APPLICABLE.

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SECTION 7 : HANDLING and STORAGE : (N/A)

Handling: Follow recommendations for machines and national regulations.
Storage: Store coated abrasives in moderate constant temperature and humidity conditions.
Hygiene Practices: No specific requirements.
For detailed recommendations refer to the FEPA Safety Leaflet for Coated Abrasives.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION : (N/A)

Personal Protective Equipment Routine Handling: 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 the national rules. Refer also to the FEPA Safety Leaflet for Coated Abrasives.

The following personal protective equipment should be used dependent on the operation and the material being ground:
Skin Protection Description: Use of suitable protective clothing.
Hand Protection Description: Use of barrier cream and protective gloves.
Eye/Face Protection: Machine guarding and safety goggles or face shield.
Protective Clothing/Body Protection: Ear protection: Use of ear defenders or equivalent.
Other Protective: Dust protection: Use of dust mask.
Hygiene measures: No specific requirements.

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES : (N/A)

Color: Variable
Odor: Not applicable (May give off non specific odour in use)
Physical State: Solid

Change of physical state: Not applicable
pH: Not applicable
Vapor Pressure: Not applicable
Solubility: In water: Not defined
Density: Not applicable

Bulk density: Not applicable
Viscosity: Not applicable
Flash point: Not applicable

Explosion properties: Not applicable

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SECTION 10 : STABILITY and REACTIVITY : (N/A)

Chemical Stability: Coated abrasives are stable and non reactive when handled or stored.
Conditions to Avoid: Not applicable.
Incompatibilities with Other Materials: Strong acids, strong bases & strong oxidising agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
Reactivity: Coated abrasives are stable and non reactive when handled or stored.
Hazardous Decomposition Products: If coated abrasives are used in accordance with instructions no hazardous decomposition products are created.

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SECTION 11 : TOXICOLOGICAL INFORMATION : (N/A)

Toxicological Paragraph: 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.

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SECTION 12 : ECOLOGICAL INFORMATION

: (N/A)

Ecotoxicity: Not applicable.
Bioaccumulation: Not applicable.
Mobility: Not applicable.
Persistence and degradability: Not defined.

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SECTION 13 : DISPOSAL CONSIDERATIONS

: (N/A)

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

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SECTION 14 : TRANSPORT INFORMATION

: (N/A)

Transportation Information: Coated abrasives are not dangerous products.

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SECTION 15 : REGULATORY INFORMATION

: (N/A)

Applies to all ingredients:

Regulatory Paragraph: National or Local Regulations: Refer to relevant texts.

European Community Chemical Inventory Status: EC-Regulations: NONE, no specific marking required under the EC-Directive N°. 88/379.

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SECTION 16 : ADDITIONAL INFORMATION

: (N/A)

Label Hazard Warning: Warning!
The above indications are based on 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.

MSDS Revision Date: 18.03.00

MSDS Author: Authorised Person: Oertig Mike/FOE

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Edition 53-GB-95

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