Voluntary product information based on the format of a safety data sheet for coated abrasives

1. Identification of the product and of the company/undertaking

1.1 Product identifier

XK870X

1.2 Use of the product

Abrasives for industrial and professional application

1.3 Details of the supplier of the voluntary product information:

Company: VSM Abrasives Corporation

Address: 1012 E. Wabash O´Fallon,
MO 63366

Telefon: 800-737-0176 Fax: 636-272-7434

E-mail: msds@vsmag.de

1.4 Emergency telephone number:

Tel.: 1-800-262-8200

2. Hazards identification

2.1. Classification

Not classified as hazardous according OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Not applicable.

2.3. Other hazards

Not known.

3. Composition/information on ingredients

The product contains the following ingredients which are classified according to 67/548/EEC or Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

Substance	EC-N°	CAS-N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
				Hazard classes/ hazard categories	Hazard statements
cryolite	237-410-6	13775-53-6	1-8%	Acute Tox. 4 STOT wdh. 1 Acute Tox. 4 Aqu. chron. 2	H332 H372 H302 H411
potassium fluoroborate	237-928-2	14075-53-7	1-15%	Eye Irrit. 2A	H319

(For full text of H- and R-phrases see section 16)

4. First aid measures

See also section 8 and 16

4.1. Description of first aid measures

Inhalation: Not possible, due to the form of the product

Eye contact: Not possible, due to the form of the product

Skin contact: No harmful effects known

Ingestion: Not likely, due to the form of the product; if necessary contact physician

Note to physician: Not available.

4.2. Most important symptoms and effects, both acute and delayed

Not known.

4.3. Indication of any immediate medical attention and special treatment needed

Not relevant. Treat symptomatically.

5. Fire fighting measures

5.1. Extinguishing media

Extinguishing media: water, foam, sand, powder or CO_2 as appropriate for surrounding materials

5.2. Special hazards arising from the product

Toxic fumes may occur. Use respiratory protective equipment.

5.3. Advice for fire fighters

Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures

Not applicable.

7. Handling and storage

Follow instructions of grinding machine manufacturers and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

8. Exposure controls/personal protection

8.1. Control parameters

Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.

Occupational exposure limit values and/or biological limit values

Keep exposure to the following components under surveillance.
(Observe also the regional official regulations)

Substance	CAS-N°	Agency	Threshold limits
Cryolite	15096-52-3	ACGIH	TWA (as F): 2.5 mg/m^3
		OSHA	TWA (as dust): 2.5 mg/m^3, TWA (as F): 2.5 mg/m^3
Potassium fluoroborate	14075-53-7	ACGIH	TWA (as F): 2.5 mg/m^3
		OSHA	TWA (as dust): 2.5 mg/m^3, TWA (as F): 2.5 mg/m^3
alpha-Alumina	13-44-28-4	OSHA	TWA (as total dust): 15 mg/m^3; TWA (respirable fraction): 5 mg/m^3
		CMRG	TWA: 1 fiber /cm^3

ACGIH: American Conference of governmental Industrial Hygienists
CMRG: Chemical Manufacturer´s Recommended Guidelines
OSHA: United States Department of Labor – Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit

Note: Hazardous dust of the workpiece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

8.2. Exposure controls

8.2.1. Individual protection measures

8.2.1.1. Respiratory protection: Use respiratory protective equipment
(type depends on specific application and material being ground)

8.2.1.2. Hand protection: Wear protective gloves
(type depends on specific application and material being ground)

8.2.1.3. Eye protection: Wear protective goggles or face shield
(type depends on specific application and material being ground)

8.2.1.4. Hearing protection: Use hearing protection
(type depends on specific application and material being ground)

8.2.1.5. Body protection: Use protective clothing
(type depends on specific application and material being ground)

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	solid
Colour:	not applicable/different colors
pH:	not applicable
Melting point:	not applicable
Boiling point:	not applicable
Density:	not applicable
Viscosity:	not applicable
Solubility in water:	not relevant (article)

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Coated Abrasives are stable when handled or stored correctly.

10.2. Chemical stability

No decomposition in normal use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Coated Abrasives are stable when handled or stored correctly.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on toxicological effects

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.
See also section 8.

12. Ecological information

12.1. Toxicity

No effects known.

12.2. Persistence and degradability

No biodegradable potentials known.

12.3. Bioaccumulative potential

No potentials known.

12.4. Mobility in soil

No potentials known.

12.5. Results of PBT and vPvB assessment

Not relevant.

12.6. Other adverse effects

No effects known.

13. Disposal considerations

13.1. Disposal methods

13.1. Product
Follow local/ regional/ national/ international regulations.

13.2. Packing
Follow local/ regional/ national/ international regulations.

14. Transport information

The product is not regulates per U.S. DOT, IATA or IMO.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the product

No specific labelling requirements under respective EC directives.

15.2. Chemical safety assessment

Not relevant.

16. Other information

Changes to the previous versions
See sections 1 to 16.

Hazard statements referred to in section 2 and 3

H332 Harmful if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure. Target organs: lungs, skeleton
H302 Harmful if swallowed.
H411 Toxic to aquatic life with long lasting effects
H319 Causes serious eye irritation.

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

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Issued by: R & D

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