





FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Reference / Product name: XK870X  
Version/Revision (date): 17/02/2020  
Printing date: 17/02/2020

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**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 AG

Address: Siegmundstr. 17

D-30165 Hannover, Germany

Telefon: +49-511-3526-0 Fax: +49-511-3526-325

E-mail: msds@vsmabrasives.com

**1.4 Emergency telephone number:**

Telefon: +49-511-3526-0

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**2. Hazards identification**

**2.1. Classification**

Not applicable

Abrasives are articles and not dangerous substances or mixtures according to Regulation (EC) N° 1272/2008.

See also section 8 and 16.

**2.2. Label elements**

Abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according Regulation (EC) N° 1272/2008.

**2.3. Other hazards**

Not known.

### 3. Composition/information on ingredients

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

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
					Hazard classes/ hazard categories	Hazard statements
cryolite	237-410-6	13775-53-6	01-2119511565- 43-XXXX	1-8%	Akut Tox. 4 STOT wdh. 1 Aqua. chron. 2	H332 H372 H411
potassium fluoroborate	237-928-2	14075-53-7	05-2114677444- 40-XXXX	1-15%		

(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<sub>2</sub> 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)

Limit value type (country of origin)	substance	EC-N°	CAS-N°	Occupational limit value				Peak limit	source, remark
				Long term		Short term			
				mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)	mg/m <sup>3</sup>	ml/m <sup>3</sup> (ppm)		
IOELV (EU)	cryolite	237-410-6	13775-53-6	2,5				Directive 2000/39/ EC; Fluoride (inorganic as F)	
IOELV (EU)	potassium fluoroborate	237-928-2	14075-53-7	2,5				Directive 2000/39/ EC; Fluoride (inorganic as F)	

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



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- 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)

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## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- 9.1 Physical state: solid
- 9.2 Colour: not applicable/different colors
- 9.3 Solubility in water: not relevant (article)

### 9.2. Other information

None.

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## 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

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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. Waste treatment methods

#### 13.1. Product

Follow national and regional regulations.

- Due to the ingredients and properties disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – Nr. 120121),
- X Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

#### 13.2. Packing

Follow national and regional regulations.

#### 14. Transport information

The product is not covered by international regulation on the transport of dangerous goods.

#### 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.

##### Literature and data sources

REACH Regulation (EC) Nr. 1907/2006  
Regulation (EC) N° 1272/2008  
Directive 98/24/EC  
Directive 2000/39/EC  
Directive 75/324/EEC  
Decision 2000/532/EC  
Transport regulations according to ADR, RID und IATA.

##### Hazard statements referred to in section 2 and 3

##### According to Regulation (EC) N° 1272/2008:

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.

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.

Issued by: R & D

Contact: Dr. Jessica Tschirch