



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Safety Data Sheet  
Reference: ZK713X  
Revision: 14.07.2009  
Printing date: 14.07.2009

page 1 of 4

## SAFETY DATA SHEET FOR ORGANIC BONDED ABRASIVES

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

#### 1.1 Identification of the product: ZK713X

#### 1.2 Use of the product:

Abrasives for industrial and professional application

#### 1.3 Company identification:

Company: VSM AG

Address: Siegmundstrasse 17  
D-30165 Hannover

Phone: 0049-511-35 26-0 Fax: 0049-511-3526-325

E-mail: msds@vsmag.de

#### 1.4 Emergency number:

0049-551-19240

### 2. Hazards Identification

Not applicable

Abrasives are articles and not dangerous substances or preparations according to directive 1999/45/EC.  
See also section 8 and 16.

### 3. Composition/Information on Ingredients

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

	Name	EC Nr. (ELINCS/EINECS)	CAS N°	Concentration range	Classification
1	cryolite = Sodium aluminum fluoride	239-148-8	15096-52-3	1-15%	T, N R20/22-R48/23/25-R51/53

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

### 4. First Aid Measures

See also section 8 and 16

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.

### 5. Fire Fighting Measures

Toxic fumes may occur. Use respiratory protective equipment.



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Safety Data Sheet  
Reference: ZK713X  
Revision: 14.07.2009  
Printing date: 14.07.2009

page 2 of 4

Extinguishing media: water, foam, sand, powder or CO<sub>2</sub> as appropriate for surrounding materials

## 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

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

### 8.1. Occupational exposure limit values and/or biological limit values

Keep exposure to the following components under surveillance

(Observe also the national and regional official regulations)

	Name	CAS Nr.	Specification	Concentration limits (daily average value)	Short term value	remarks
1	Cryolite	15096-52-3	2000/39/EC	2.5 mg/m <sup>3</sup> fluoride (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

#### 8.2.1. Occupational exposure controls

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)



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Safety Data Sheet  
Reference: ZK713X  
Revision: 14.07.2009  
Printing date: 14.07.2009

page 3 of 4

## 9. Physical and Chemical Properties

- |     |                      |       |
|-----|----------------------|-------|
| 9.1 | Physical state:      | solid |
| 9.2 | Colour:              | ..... |
| 9.3 | Solubility in water: | ..... |

## 10. Stability and Reactivity

### Stability

Bonded Abrasives are stable when handled or stored correctly.

### Reactivity

- |      |                                   |  |
|------|-----------------------------------|--|
| 10.1 | Conditions to avoid:              | No decomposition in normal use.  |
| 10.2 | Materials to avoid:               | No dangerous reactions known.  |
| 10.3 | Hazardous decomposition products: | At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated. |

## 11. Toxicological Information

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

## 12. Ecological Information

- |      |                                |                                   |
|------|--------------------------------|-----------------------------------|
| 12.1 | Ecotoxicity:                   | no effects known                  |
| 12.2 | Mobility:                      | no potentials known               |
| 12.3 | Persistence and degradability: | no biodegradable potentials known |
| 12.4 | Bioaccumulative potential:     | no potentials known               |
| 12.5 | Other hazardous effects:       | no effects known                  |

## 13. Disposal Considerations

### 13.1. Product

Follow national and regional regulations!

<input type="checkbox"/>	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),
--------------------------	---

<input checked="" type="checkbox"/>	Due to the ingredients and properties disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)
-------------------------------------	--

### 13.2. Packing

Follow national and regional regulations!



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



Safety Data Sheet  
Reference: ZK713X  
Revision: 14.07.2009  
Printing date: 14.07.2009

page 4 of 4

#### **14. Transport Information**

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

#### **15. Regulatory Information**

No specific labelling requirements under respective EC directives

#### **16. Other Information**

R36: Irritating to eyes.

R20/22: Harmful by inhalation and if swallowed.

R48/23/25: Toxic: danger if serious damage to health by prolonged exposure through inhalation and if swallowed.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Changes: Complete Revision of MSDS.

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: Product Innovation

Contact: Dr. Gerd Fischer