

**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**

541X8 all grits (Product information category I)  
Aluminium Oxide Cloth - cotton cloth - aluminium oxide - fully resin bonded

**1.2 Use of the product:**

Coated abrasives for the grinding/sanding of different kinds of materials.

**1.3. Details of the supplier of the voluntary product information:**

Company: STARCKE GmbH & Co. KG  
Address: Postfach 12 60, 49304 Melle, Germany  
Phone: +49 5422/966-0, Fax: +49 5422/966-301, E-mail: sicherheit@starcke.de

**1.4. Emergency telephone number**

Giftinformationszentrum-Nord (GIZ-Nord), Phone: +49-(0)551-19240

**2. Hazards identification**

**2.1. Classification**

Not applicable. Coated 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**

Coated abrasives are articles and not dangerous substances or mixtures and therefore no labelling is required according to 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) N° 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
trisodium hexafluoroaluminate	237-410-6	13775-53-6	01-2119511565-43	3 - 25	STOT RE 1 Acute Tox. 4 Aquatic Chronic 2	H372 H332 H411
potassium tetrafluoroborate	237-928-2	14075-53-7	01-2119968922-24	1 - 20		

(For full text of H-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)	trisodium hexafluoroaluminat	237-410-6	13775-53-6	2,5				Directive 2000/39/EC; Fluoride (inorganic as F)	
IOELV (EU)	potassium tetrafluoroborate	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

#### 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

- 9.1.1. Physical state: solid  
9.1.2. Colour: blue  
9.1.3. Solubility in water: not applicable

### 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. Waste treatment methods**

13.1.1. 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).

Due to the ingredients and properties disposal as hazardous waste (2000/532/EC). (EWC – Nr. 120120)

13.1.2. 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 2.1, 2.2, 3 and 16.

**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:**

H372	Causes damage to organs through prolonged or repeated exposure. Target organs: lungs, skeleton
H332	Harmful if inhaled.
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 - coated abrasives**

**Contact: Mr. Cichon**