



## Safety Data Sheet

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

Issue Date: 06/01/15

### Section 1 – Identification of the product and of the company / undertaking

#### 1.1 Product identifier

Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)

PS20F; PS21F,FK; PS61F,FK; CS308Y; LS209X,XH,J,JF; CS310X,XF; CS311X,JF; CS320Y; CS323Y;  
CS333X,XF,J,JF; CS355X; CS411X,Y; CS412Y; CS416Y; CS417Y; CS448X; CS450; CS455X; CS460X; CS561;  
FS764ACT; CS565; CS612Y; CS710XF; CS811Y; CS912Y; CX533JF; QMC/QRC411; QMC/QRC412

#### 1.2 Use of the products

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

#### 1.3 Details of the supplier

Company: KLINGSPOR Abrasives, Inc.

**ADDRESS:** PO Box 2367, 2555 Tate Blvd., S.E. Hickory, NC 28603-2367  
**Telephone:** 828-322-3030  
**Fax:** 828-326-0296  
**E-mail:** technical@klingspor.com

#### 1.4 Emergency telephone number

828-322-3030

---

### Section 2 – HAZARDS IDENTIFICATION

#### 2.1 Classification

Not applicable; not a hazardous substance or mixture.

Abrasives are articles and not dangerous substances or mixtures according to directive 1999/45/EC or Regulation (EC) N° 1272 / 2008.

See also section 8 and 16

#### 2.2 Label elements

Not applicable. Abrasives are articles and not dangerous substances or mixtures and therefore no labeling is required according to directive 1999/45/EC or Regulation (EC) N° 1272 / 2008.

No labeling is required under GHS including precautionary statements as this is not a hazardous substance or mixture.

**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

See also section 8 and 16

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS**

Not known.

**Section 3 – Composition / information on ingredients**

The products contain 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 exists:

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)		Classification acc. to Directive 67/548/EWC
					Hazard classes/ hazard categories	Hazard statements	
Cryolite (sodium aluminum fluoride)	237-410-6	13775-53-6	01-2119511565-43	1 – 9	Acute Tox. 4 STOT RE 1 Repr. 2 Aqua. Chr. 1	H 332 H 372 H 362 H 411	T; R48/23/25 Xn; R20 N; R51/53 R64

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

The ingredients above are classified according to Occupational Safety and Health Administration regulations (29 CFR 1910.1200 – Hazard Communication) or for which a community occupational exposure limit exists:

Classification according to OSHA Regulation 29 CFR 1910.1200 (Hazard Communication)	
GHS Hazard classification	Hazard statements
4	Acute respiratory toxin
2	Reproductive toxin
2	Aquatic toxin (Chronic)

**Section 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 products

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

Skin contact: No harmful effects know

## Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)

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

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

Notes 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.

---

## Section 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 products

Toxic fumes may occur. Use respiratory equipment.

### 5.3 Advice for fire fighters

Extinguishing media should be selected according to the surrounding area.

---

## Section 6 – Accidental release measures

Not applicable.

---

## Section 7 – HANDLING AND STORAGE

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

Store abrasives in dry, frost-free conditions avoiding wide variations in temperature. Ensure they are properly protected and supported to prevent damage and distortion.

Coated abrasives should be stored at 18-22°C, 45-65 % relative humidity.

---

**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

**Section 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 <sub>3</sub>	ml/m <sub>3</sub> (ppm)	mg/m <sub>3</sub>	ml/m <sub>3</sub> (ppm)		
WEL (UK)	Cryolite 237	410-6	13775-53-6	2.5*				HSC, (fluorides, inorganic as F)	

\*Valid for UK, other countries: observe national values (please see attachment "International Limit Values", page 7)

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 as part of the job hazard assessment.

**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)

**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

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

**Section 9 – Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

- 9.1.1 Physical state: solid  
9.1.2 Colour: according to the type of product  
9.1.3 Solubility in water: not measured

**9.2 Other information**

None

---

**Section 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 reaction 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.

---

**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

**Section 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.

---

**Section 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.

---

**Section 13 – Disposal considerations**

**13.1 Waste treatment methods**

13.1.1 Product

Follow national and regional regulations.

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

## Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)

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

X 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.

---

## Section 14 – Transport information

**International transport:** Not classified as a dangerous good under transport regulations

**Land transport, USDOT:** Not classified as a dangerous good under transport regulations

**Sea transport, IMDG:** Not classified as a dangerous good under transport regulations

**Air transport, IATA/ICAO:** Not classified as a dangerous good under transport regulations

---

## Section 15 – Regulatory information

### 15.1 Safety, health, and environmental regulations/legislation specific for the products

No specific labeling requirements under respective EC directives.

### 15.2 Chemical safety assessment

Not relevant.

---

## Section 16 – Other information

### Changes to previous versions

See sections 1 to 16.

### Literature and data sources

Directive (1999/45/EC), amended by Regulation (EC) N°. 1907/2006.

Directive (67/548/EWG), amended by Directive 2009/2/EC.

REACH Regulation (EC) Nr. 1907/2006, amended by Regulation (EC) N° 552/2009.

Regulation (EC) N° 1272/2008, amended by Regulation (EC) N° 790/2009.

Directive 2000/39/EG, amended by Directive 2009/161/EC.

Directive 75/324/EWG, amended by Regulation (EC) N° 219/2009.

Transport regulations according to ADR, RID, and IATA.

**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

**Hazard statements referred to in Section 2 and 3****According to Regulation (EC) N° 1272/2008:**H – Phrases for cryolite

H 332 Harmful if inhaled.  
 H 372 May cause damage to organs (lungs, skeleton) to prolonged or repeated exposure.  
 H 362 May cause harm to breast-fed babies.  
 H 411 Toxic to aquatic life with long lasting effects.

**According to Directive 67/548/EWC:**R – Phrases for cryolite

R 20 Harmful by inhalation.  
 R 48/23/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.  
 R 51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.  
 R 64 May cause harm to breast-fed babies.

**According to United States Regulation OSHA 29 CFR 1910.1200:**

GHS Hazard Class	Hazard Statements	Definition
4	Acute inhalation toxin	Inhalation of dusts and mists can be harmful.
2	Reproductive toxin	Suspected reproductive toxicant.
2	Aquatic toxin (Chronic)	Harmful / toxic to aquatic life for prolonged exposure.

**International Limit Values \***

Substance: Flouride (inorganic as F) CAS No. 16984-48-8

Country	Limit value – Eight hours (mg/m <sub>3</sub> )	Limit value – Short term (mg/m <sub>3</sub> )
Australia - -		
Austria	2,5 inhalable aerosol	12,5 inhalable aerosol
Belgium	2,5 -	
Canada-Ontario - -		
Canada-Quebec - -		
Denmark	2,5	5
European Union	<b>2,5</b> -	
France	2,5 -	
Germany (AGS)	1 inhalable aerosol	4 inhalable aerosol (1)
Germany (DFG)	1 inhalable aerosol	4 inhalable aerosol
Hungary	2,5	10
Ireland	2,5 -	
Italy	2,5 -	
Japan - -		
Latvia	2,5 -	
New Zealand - -		



**Coated abrasives group K (Schleifmittel auf Unterlage Gruppe K)**

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

Poland	1	3
Singapore	2,5 -	
South Korea - -		
Spain	2,5 -	
Sweden	2 -	
Switzerland	1 inhalable aerosol -	
The Netherlands - -		
USA – NIOSH - -		
USA – OSHA	2,5 -	
United Kingdom	2,5 -	
Remarks: European Union Indicative Occupational Exposure Limit Values (2,3) and Limit Values for Occupational Exposure (4) (for references see bibliography) Germany (AGS) (1) 15 minutes average value Germany (DFG) STV 15 minutes average value		

\*IFA / GESTIS International limit values for chemical substances (Stoffdatenbank, Internationale Grenzwerte für chemische Substanzen)

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

Issued by: Laboratory  
Contact: Dr. Irene Bock, Andrea Hangg-Krenzer

**CAUTION: Intentional misuse of this chemical product, as with any industrial chemical in contact with the body, can be harmful or fatal. This includes such things as deliberately breathing, placing in mouth, swallowing, placing on skin, or any other body contact, or repeated or continuous contact.**

*KLINGSPOR Schleiftechnologie this information in good faith, but makes no representation as to its*

*comprehensiveness or its accuracy. This document is offered as a guide to a trained person, for appropriate precautionary handling. Persons using the product and receiving the information must exercise independent judgment in determining the appropriateness of the use and the safety information for their particular purpose.*