

Safety Data Sheet

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

1.1 Product identifier

Coated abrasives group KK

CS 329 Y, JF; CS 409 Y; CS 410 X; CS 451 X; CS 570; CS 631 XF, JF; CS 661; CS 910 Y, CS 931 JF; GX 931 JF; FS 966; GX 712 JF; GX 931 JF; LS 312 JF; LS 313 JF; QMC/QRC 409; QMC/QRC 910

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:

1-828-322-3030

Section 2 – HAZARDS IDENTIFICATION

Not applicable; not a hazardous substance or mixture.
See also section 8 and 16

2.2 Label elements

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

See also section 8 and 16

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

Not known.

Safety Data Sheet

Section 3 – Composition / information on ingredients

The products contain the following ingredients which 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:

Substance	EC-N°	CAS-N°	REACH Registration N°	Conc. (%)	Classification according to OSHA Regulations	
					Hazard statements	GHS hazard classifications
Cryolite (sodium aluminum fluoride)	237-410-6 2119511565	13775-53-6	01- 43	1 – 5	Acute toxin (respiratory) Reproductive toxin Aquatic toxin (chronic)	4 2 2
Potassium fluoroborate	237-928-2	14075-53-7 -		3 – 35	Respiratory irritant (acute) Eye irritant	1A 2

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

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 CO₂ as appropriate for surrounding materials.

Safety Data Sheet

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.

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	Substance	EC-N°	CAS-N°	Occupational limit value				Peak limit	Source, remark
				Long term		Short term			
				mg/m ₃	ml/m ₃ (ppm)	mg/m ₃	ml/m ₃ (ppm)		
type (country of origin)									
OSHA	(USA)	Cryolit	e 237						

Safety Data Sheet

410-6 13775- 2.5* -
 53-6 - -

HSC,
(fl
ou
rid
es,

i
n
o
r
g
a
n
i
c
a
s
F
)

Safety Data Sheet

OSHA (USA)	Potassium fluoroborate	237-928-2	14075-53-7	2.5* - - -					HSC, (fluorides, 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 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)

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 Color: according to the type of product

9.1.3 Solubility in water: not measured

9.2 Other information

None

Safety Data Sheet

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

A temperatures exceeding 482°F (250°C), hazardous or toxic decomposition products may be generated.

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.

Safety Data Sheet

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.

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 GHS directives.

15.2 Chemical safety assessment

Not relevant.

Safety Data Sheet

Section 16 – Other information

Changes to previous versions

See sections 1 to 16.

Literature and data sources

U.S. Department of Labor, Occupational Safety and Health Administration: 29 CFR 1910.1000 (Hazard Communication)
Transport regulations according to IATA.

According to United States Regulation OSHA 29 CFR 1910.1200:

Substance	Hazard Statements	GHS Hazard Class	Description
Cryolite (sodium aluminum fluoride)	Respiratory toxin (acute)	4	Inhalation of dusts and mists can be harmful.
	Reproductive toxin	2	Suspected reproductive toxicant.
	Aquatic toxin (chronic)	2	Harmful / toxic to aquatic life for prolonged exposure.
Potassium fluoroborate	Respiratory irritant (acute)	1A	Inhalation of dusts and mists can be harmful.
	Eye Irritant	2	Can be irritating to eyes.

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.

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 Abrasives makes 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.