

Updated on 11-05-15

FSC - FSF flap discs

Product code:

FSC/#/115

FSF/#/115

FSC/#/125

FSF/#/125

CHAPTER 1: Identification of the substance/mixture and of the company/undertaking

Company

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Responsible/issuing person: Bram Gilles

Product

Identification: FSC conical flap disc – FSF flat flap discs
Application: Industrial abrasive used for grinding operations of various materials, including metals.

CHAPTER 2: Hazards identification

Init R-phrase collection for output in chapter 16
Init H-statement collection for output in chapter 16

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

BK16102009: GHS Classification (EU) (SAP_EHS_1023_089) replaces GHS Classification (SAP_EHS_1023_043)

The abrasive product itself is classified as an article and is not a substance or mixture classified as dangerous according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

The abrasive product is classified as an article and is not a substance classified as dangerous according to Directive 67/548/EEC.

Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other Hazards

During use, dust may form, which may form ignitable mixtures with air - risk of dust explosion.
Health injuries are not known or expected under normal use.

Always observe the maximum RPM as shown on the label.

CHAPTER 3: Composition/information on ingredients

Substances

Chemical Nature

Mixture of glassfiber backing, nylon fibers, abrasive grain and cured adhesive.

The product contains the following ingredients which are classified according to 67/548/EEC, 1999/45/EC or regulation (EC) No 1272/2008:

Substance	EC-Nr	CAS-Nr.	Concentration	Classification acc. to regulation (EC) No 1271/2008	Classification acc. to directive
				Hazard Class	Hazard Statements
Cryolite = sodium aluminium fluoride	237-410-6	13775-53-6	1% - 8%	Acut. Tox. 4 STOT wdh. 1 Acut. Tox. 4 Aqu. chron. 2	H332 H372 H302 H411 T: R48/23/25 Xn: R20/22 N: R51/53
Potassium flouoroborate	237-928-2	14075-53-7	1% - 16%	Eye Irrit. 2A	H319 Xi: R36

CHAPTER 4: First aid measures

Description of first aid measures

If inhaled: During use, dust may be formed. If this dust is inhaled, move to fresh air. Use in well-ventilated area.

In case of skin contact: During use, dust may be formed. Wash it off with water and soap.

In case of eye contact: During use, dust may be formed which may irritate the eyes. Rinse with plenty of water.

If swallowed: During use, dust may be formed. If swallowed, clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No information available.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

CHAPTER 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Water spray. Foam. Carbon dioxide (CO₂). Dry chemical. Sand.

Special hazards arising from the substance or mixture

Specific hazards during firefighting: Smoke and fumes, toxic.

Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

CHAPTER 6: Accidental release measures

Not applicable

CHAPTER 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Take precautionary measures against dust formation during use. Handle with adequate ventilation.
Keep away from sources of ignition - No smoking.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Store at room temperature in the original packaging.
Keep in a dry place.

Specific end uses

Consult the technical guidelines for the use of this product.

CHAPTER 8: Exposure controls/personal protection

Control parameters

Control parameters

Components	CAS-No.	Value	mg/m ³	Basis
General dust limit (alveolar fraction)		Air 8 h	1,5	MAK, TRGS 900
		Air 8 h	3	Belgium
		Air 8 h	5	France
		Air 8 h	3	Italy
		Air 8 h	5	Norway
		Air 8 h	3	Portugal
		Air 8 h	3	Spain
		Air 8 h	5	Sweden
		Air 8 h	3	Switzerland
Cryolite	13775-53-6	Air 8 h	4	United Kingdom
		Air 8 h	2,5	EU
Potassium Fluoroborate	14075-53-7	Air 8 h	2	United Kingdom
		Air 8 h	2,5	EU

Exposure controls

Engineering measures: Local exhaust.

Personal protective equipment

Respiratory protection: Half mask with a particle filter P2 (EN 143). Necessary, in case of dust formation and inadequate ventilation.

Hand protection: Protective gloves with good abrasion resistance.

Eye protection: Safety glasses.

Skin and body protection: Long sleeved clothing

Hygiene measures: When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday. Keep working clothes separately.

Protective measures: /

Environmental exposure controls

General advice: /

CHAPTER 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Solid
Colour:	Product specific
Odour:	/
Viscosity:	/
pH-value (at 20°C):	/

Changes in the physical state

Melting point:	> 200°C
Flash point:	>> 100°C
Evaporation speed	Not applicable

Inflammability

Solid:	Not applicable
Gas:	Not applicable

Explosive properties

Lower explosion limit:	No data available
Upper explosion limit:	No data available

Vapor pressure:	No data available
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Density:	Product Specific
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Water solubility:	Not soluble
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Partition coefficient: n-octanol/water:	No data available
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Auto-ignition temperature:	No data available
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Ignition temperature:	No data available
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Thermal decomposition:	Stable under normal storage and handling temperatures. May decompose at temperatures higher than 250°C.
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Bulk density:	No data available
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CHAPTER 10: Stability and reactivity

Reactivity:	Stable at ambient temperature and pressure.
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Chemical stability:	No decomposition if stored normally.
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Possibility of hazardous reactions	No hazardous reactions known
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Conditions to avoid	Avoid dust formation. Sources of ignition
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Incompatible materials

Materials to avoid	Strong-oxidizing agents
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Hazardous decomposition products	At temperatures exceeding 250°C, hazardous or toxic decomposition products may be generated.
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CHAPTER 11: Toxicological information

Information on toxicological effects

Acute oral toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/irritation: No data available
Respiratory or skin sensitization: No data available
STOT - repeated exposure: No data available

CHAPTER 12: Ecological information

Toxicity

Ecotoxicology assessment

Acute aquatic toxicity: Not classified due to lack of data.
Chronic aquatic toxicity: Not classified due to lack of data.

Persistence and degradability

Biodegradability: No data available

Bio accumulative potential

Bioaccumulation: No data available

Mobility in soil

Distribution among environmental compartments: No data available

Results of PBT and vPvB assessment

Assessment: Based on available data, the classification criteria are not met.

Other adverse effects

Further information: No data available

CHAPTER 13: Disposal considerations

Waste treatment methods: Take to an established disposal company according to the waste regulations.

CHAPTER 14: Transport information

Land transport (ADR/RID)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Marine transport (IMDG/IMO)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Air transport (IATA/ICAO)

UN number	No dangerous goods
Proper shipping name	No dangerous goods
Transport hazard class	No dangerous goods
Packing group	No dangerous goods
Environmental hazards	No dangerous goods

Special precautions for users See this safety data sheet chapter 6 & 8

DEEL 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Major accident hazard legislation: Directive 96/82/EC does not apply.

Chemical Safety Assessment

A chemical Safety Assessment is not required for this substance.

DEEL 16: Other information

Hazard statements referred to in section 2 and 3:

According to Regulation (EC) No 1272/2008:

H319:	Causes serious eye irritation
H332:	Harmful if inhaled
H362:	May cause harm to breast-fed children
H372:	Causes damage to organs through prolonged or repeated exposure
H411:	Toxic to aquatic life with long lasting effects

According to Directive 67/548/EWC:

R20:	Harmful by inhalation
R36:	Irritating to eyes
R48/23/25:	Toxic: Danger of 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.
R64:	May cause harm to breastfed babies.

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