



SAFETY DATA SHEET FOR COATED ABRASIVES

1. Identification of product and company/undertaking:

Identification of the product:

Flap Discs, Fibre Discs

Use of the product:

Coated abrasives for grinding of different materials

Company identification:

Company: **Vanguard Steel Ltd.**
 Address: 2160 Meadowpine Blvd.,
 Mississauga, Ontario L5N 6H6
 Canada

Contact Person: Paul Ead E-mail: ead@vanguardsteel.com

Emergency Number

(905) 821-1100

2. Hazards Identification

Not applicable

Abrasives are not dangerous substances or preparations as defined in EC directive N° 1999/45.
 See also section 8 and 16.

3. Composition/Information on Ingredients

	Name	CAS	EG Nr. (ELINCS/EINECS)	Concentration area	Classification	H-statements
1	Cryolite	15096-52-3	237-410-6	less than 20%	Specific Target Organ Toxicity (repeated exposure), Category 1; Acute toxicity, Category 4, oral; Acute toxicity, Category 4, inhalation; H332; Hazardous to the aquatic environment, Chronic Category 2	H372 H302 H332 H411 P273 P314
2	potassium fluoroborate	14075-53-7	237-928-2	less than 15%		



4. First Aid Measures:

See also section 8 and 16 of these Safety Data Sheet

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

5. Fire Fighting Measures

Toxic fumes may occur. Use respiratory protective equipment.

Extinguishing Media: water, foam, sand, powder or CO₂ as appropriate for surrounding materials

6. Accidental release measures

Not applicable.

7. Handling and Storage

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

8. Exposure Controls / Personal Protection

Before grinding risk assessment should be performed and individual personal protection equipment accordingly.

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

Keep exposure to the following components under surveillance
 (Observe the regional official regulations)

Name	CAS	Specification	Concentration limits (daily average value)	Short term Value
Cryolite	15096-52-3	TRGS 900 (D)	1,0 mg/m ³ E (fluoride, expressed as fluorine)	DE: 4x
Potassium fluoroborate	14075-53-7	TRGS 900 (D)	1,0 mg/m ³ E (fluoride, expressed as fluorine)	DE: 4x

Note: Hazardous dust of 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 control and limitations

8.2.1. Occupational exposure controls

8.2.1.1. Respiratory protection: Use respiratory 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 | Physical state: | solid |
| 9.2 | Colour: | diverse |
| 9.3 | Solubility in water: | |

10. Stability and Reactivity

Stability

Coated 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!

For Germany valid:

Due to the ingredients (sum concentration under the limit) disposal as non hazardous waste (2000/532/EC) is possible if no hazardous materials are added to the abrasives. (EWC – SN 120121),

For all states of European Union valid (excepting Germany):

Due to the ingredients (sum concentration above the limit) disposal as hazardous waste (2000/532/EC) (EWC – Nr. 120120)

13.2. Packing

**14. Transport Information**

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

15. Regulatory Information

No specific marking requirements under respective EC directives

16. Other Information

H372 - Causes damage to organs through prolonged or repeated exposure

H302 - Harmful if swallowed

H332 - Harmful if inhaled

H411 - Toxic to aquatic life with long lasting effects

P273 - avoid release into environment

P314 - consult medical attendance

P281 - use required personal protective equipment

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 quality assurance