

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**

Flap Discs of Zirconia, Aluminum Oxide, or Ceramic abrasive grain

1.2 Use of the product

Abrasives for industrial and professional applications

1.3 Details of the supplier of the voluntary product information:

Company: HUB Industrial Supply

Address: 371 SW Ring Court
Lake City FL 32025

Tel: 800.743.9401 **Fax:** 866.324.5821

E-mail: customerservice@hubindustrial.com

1.4 Emergency telephone number:

Tel.: 800.424.9300

2. Hazards identification**2.1. Classification**

Not classified as hazardous according OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements

Not applicable.

2.3. Other hazards

Not known.

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3. Composition/information on ingredients

The product contains 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 value exists:

Substance	EC-N°	CAS-N°	Conc. (%)	Classification acc. to Regulation (EC) N° 1272/2008 (CLP)	
				Hazard classes/ hazard categories	Hazard statements
cryolite	237-410-6	13775-53-6	1-20%	Acute Tox. 4 STOT wdh. 1 Acute Tox. 4 Aqu. chron. 2	H332 H372 H302 H411
potassium flouoroborate	237-928-2	14075-53-7	1-10%	Eye Irritant 2A	

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

4. First aid measures

See also section 8 and 16

4.1. Description of first aid measures

Inhalation: Dust from this product may cause irritation to the respiratory tract. If breathing is difficult, remove the victim to fresh air and keep at rest in a position comfortable for breathing.

Eye contact: Dust from this product may cause eye irritation. Flush immediately with water. Obtain medical attention if irritation, pain, or redness persists.

Skin contact: Wash with soap and water. Wash contaminated clothing before re-use.

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.

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5. Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: water, foam, sand, powder or CO₂ 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

Store under normal warehouse conditions.

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)

Substance	CAS-N°	Agency	Threshold limits
Cryolite	15096-52-3	ACGIH	TWA (as F): 2.5 mg/m ³
		OSHA	TWA (as dust): 2.5 mg/m ³ , TWA (as F): 2.5 mg/m ³
Alpha-Alumina	13-44-28-4	OSHA	TWA (as total dust): 15 mg/m ³ TWA (respirable fraction): 5 mg/m ³
		CMRG	TWA: 1 fiber /cm ³
Potassium flouoroborate	14075-53-7	ACGIH	TWA (as F): 2.5 mg/m ³
		OSHA	TWA (as dust): 2.5 mg/m ³ , TWA (as F): 2.5 mg/m ³

ACGIH: American Conference of governmental Industrial Hygienists

CMRG: Chemical Manufacturer´s Recommended Guidelines

OSHA: United States Department of Labor – Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

Note: Hazardous dust of the work piece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

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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

Physical state:	solid
Color:	not applicable/different colors
pH:	not applicable
Melting point:	not applicable Boiling
point:	not applicable
Density:	not applicable
Viscosity:	not applicable
Solubility in water:	not relevant (article)

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.

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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. Disposal methods****13.1. Product**

Follow local/ regional/ national/ international regulations.

13.2. Packing

Follow local / regional/ national/ international regulations.

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14. Transport information

The product is not regulated per U.S. DOT, IATA or IMO.

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 1 to 16.

Hazard statements referred to in section 2 and 3

H332 Harmful if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure. Target organs: lungs, skeleton.

H302 Harmful if swallowed.

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.

Revision Date: 4/21/2016
