

# MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.  
Standard must be consulted for specific requirements.

**IDENTITY: ABRASIVE FLAP DISC  
TYPE "CERAMIC"**

## Section I

Manufacturer's Name <b>Extreme Abrasives Division of Virtual Machines Inc.</b>	Emergency Telephone Number <b>905 282 1313</b>	
Address (Number, Street, City, State, and ZIP Code) <b>1110 Kamato Rd., Unit 10-11</b>	Telephone Number for Information <b>905 282 1315</b>	
<b>Mississauga, ONTARIO</b>	Date Prepared <b>15-Jan-15</b>	Date Updated <b>15-Jan-15</b>
<b>L4W 2P3, CANADA</b>	Signature of Preparer (optional)	
<b>L4W 2X8, CANADA</b>	Signature of Preparer (optional)	

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
BACKING - FIBREGLASS BOUND WITH RESIN	N/A	N/A	N/A	35-50
BACKING - REINFORCED NYLON (PLASTIC)	N/A	N/A	N/A	35-50
BACKING - ALUMINUM	N/A	N/A	N/A	35-50
CERAMIC ALUMINUM OXIDE    Al <sub>2</sub> O <sub>3</sub>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	1344-28-1	20-35
CRYOLITE	N/A	N/A	15096-52-3	3-5
CURED EPOXY ADHESIVE	N/A	N/A	N/A	15-20
COTTON OR POLY-COTON OR POLYESTER CLOTH	N/A	N/A	N/A	15-15

## Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water N/A			
Appearance and Odor Black backing-odorless			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A		N/A	N/A

Extinguishing Media

Water spray, Co<sub>2</sub>, Foam, Dry chemical or any class A extinguishing agent

Special Firefighting Procedures

Backing & resin binder will burn or decompose. Use respiratory protection.

Unusual Fire and Explosion Hazards

N/A

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	No applicable information found

Incompatibility (Materials to Avoid)

N/A

Hazardous Decomposition or Byproducts

During use, dust and fumes are generated, generally more from material being ground.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	No applicable information found

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation? fume/dust during use	Skin? Abrasion	Ingestion? Not known nor recommended
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Health Hazards (Acute and Chronic)

Nuisance dust, respirable - 5mg/m3, total - 15mg/m3, may irritate eyes, elevated sound

level during use on some metal / jobs.

Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure

Could cause coughing and shortness of breath due to dust, may affect breathing, may cause

abrasion on skin, dust may irritate eyes.

Medical Conditions

Generally Aggravated by Exposure N/A

Emergency and First Aid Procedure

Remove to fresh air if needed, wash eyes with water, obtain first aid or medical assistant

as deemed necessary.

**Section VII - Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled

N/A

Waste Disposal Method

No special procedure required, standard landfill consistance with applicable federal, state

and local laws.

Precautions to be Taken in Handling and Storage

Handling: OSHA 29cC FR 1910-94 (ventilation) and OSHA 29C FR 1910.1000 (air contaminates)

Storage: Away from heat source. Ideally at 35% - 50% RH and 60 - 70 deg. F with ventilation.

Other Precautions

Use CAMI (Coated Abrasive Mfg. Institute) guidelines, follow tool guidelines.

**Section VIII - Control Measures**

Respiratory Protection (Specify Type)

As required - approve dust respirator OSHA 24C FR 1910.134

Ventilation	Local Exhaust Recommended	Special No applicable information found
	Mechanical (General) Recommended	Other No applicable information found

Protective Gloves

Recommended

Other Protective Clothing or Equipment

Protective clothing recommended to cover exposed skin

Work/Hygenic Practices

Eye/face/hearing protection - (ANSI std. Z87.1) OSHA 29CFR 1910.133 , OSHA 29CFR 1910.134