

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.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

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IDENTITY Grind - R Abrasive disc
TYPE "GEM SUPREME"

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name GEMTEX ABRASIVES	Emergency Telephone Number 416 245 5605
Address (Number, Street, City, State, and ZIP Code) 234 BELFIELD ROAD	Telephone Number for Information 416 245 5605
TORONTO, ONTARIO	Date Prepared 11-Jul-14
M9W 1H3, CANADA	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)
Reinforced Nylon	N/A	N/A	N/A	58-78
ZIRCONIA ALUMINA ZrO2	5 mg/m3	5 mg/m3	1314-23-4	05 - 30
Ceramic Abrasive grain	15 mg/m3	10 mg/m3	1344-28-1	05 - 30
BINDER SYSTEM	N/A	N/A	N/A	13-25
CRYOLITE Na3AlF6	15 mg/m3	2 mg/m3	15096-523	6.0-15
POTASSIUM FLUOROBORATE KBF4	2.5 mg/m3	2.5 mg/m3	14075-53-7	6.0-15

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O = 1)	N/A
Vapour Pressure (mm Hg)	N/A	Melting Point	N/A
Vapour Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	N/A		
Appearance and Odor	Green 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, Co2, 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 By-products

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 assistance

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 consistency 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 contaminants)

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/Hygienic Practices

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