



**Gemtex Abrasives**  
**SAFETY DATA SHEET**  
Coated Abrasives – Grind R– All grade

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Identity / Trade Name:** Coated Abrasives – Grind R - All grade

**Product Use:** Abrasive materials used for sanding, grinding metals, wood, concrete, masonry and building Materials.

**Manufacturer:** Gemtex Abrasives  
234 Belfield Road  
Toronto, M9W 1H3 Ontario, Canada

**Internet:** [www.gemtexabrasives.com](http://www.gemtexabrasives.com)

**Information Phone:** (416) 245-5605 **Emergency Phone:** (416) 245-5605

**SDS Date of review:** March 2018

**SDS Date of review:** July 6<sup>th</sup> 2021

**2. HAZARDS IDENTIFICATION**

This product is for all Grind R product - coated with abrasive material in disc, size: 1.5", 2" and 3" diameter.

**EMERGENCY OVERVIEW**

Dust may cause eye and respiratory irritation. Dust particles may cause abrasive injury to the eyes.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Components	CAS #	% (optional)
Plastic backing: Nylon with Fibre Glass	N/A	45 – 70
Aluminum Oxide	1344-28-1	0 – 60
and/or Aluminum Zirconia	1314-23-4	0 – 60
and/or Alumina Ceramic	1344-28-1	0 – 60
and/or Silicone Carbide	409-21-2	0 – 60
Calcium Carbonate	1317-65-3	0 – 35
Cryolite (Na <sub>3</sub> AlF <sub>6</sub> )	15096-523	0 – 35
Potassium Fluoroborate (KBF <sub>4</sub> )	14075-53-7	0 – 10
Binder System (Cured Adhesive)	N/A	13 – 35

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**4. FIRST AID MEASURES**

**Ingestion:** If sanding dust is swallowed, seek medical attention.

**Inhalation:** If overexposed to sanding dust, remove victim to fresh air and get medical attention.

**Eye Contact:** Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation persists. Obtain immediate medical attention for foreign body in the eye.

**Skin Contact:** Wash dust from skin with soap and water. Launder contaminated clothing before reuse.

**5. FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use any media that is appropriate for the surrounding fire.

**Special Firefighting Procedures:** None needed.

**Unusual Fire and Explosion Hazards:** This product is not combustible; however, consideration must be given to the potential fire/explosion hazards from the base material being processed. Many materials create flammable/explosive dusts or turnings when sanded, machined or ground.

**Hazardous Combustion Products:** None known.

**6. ACCIDENTAL RELEASE MEASURES**

Pick up, sweep up or vacuum and place in a container for disposal. Minimize generation of dust. Notify authorities as required by local, state and federal regulations.

**7. HANDLING AND STORAGE**

**Recommended Work Practices:** Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking. Consider potential exposure to components of the base materials or coatings being sanded or ground. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

**Storage:** Store in a dry location.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:**

<b>Exposure Guidelines:</b>		
Hazardous Components	OSHA PEL	ACGIH TLV
Nylon Plastic with Fibre Glass	N/A	N/A
Aluminum Oxide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Aluminum Zirconia	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Alumina Ceramic	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Silicon Carbide	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
Calcium Carbonate	15mg/m <sup>3</sup>	none established
Cryolite (Na <sub>3</sub> AlF <sub>6</sub> )	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
Potassium Fluoroborate (KBF <sub>4</sub> )	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>
Binder System (Cured Adhesive)	N/A	N/A
Natural Wax	N/A	N/A

Note: Consider also components of base materials and coatings being ground.

**Ventilation:** Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the occupational exposure limits.

**Respiratory Protection:** Use a NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being ground in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, cadmium, etc. where appropriate. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Gloves:** Cloth or leather gloves recommended.

**Eye Protection:** Safety goggles or face shield over safety glasses with side shields.

**Other:** Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point:** Not Applicable

**Solubility in Water:** Insoluble

**Specific Gravity:** Not Applicable

**Melting Point:** Not Applicable

**Flammable Limits:** LEL: Not Applicable

**Vapor Pressure:** (mm Hg) Not Applicable

**Vapor Density:** (Air = 1) Not Applicable

**Evaporation Rate:** Not Applicable

**Flash Point:** Non-Combustible

**UEL:** Not Applicable

**Appearance and Odor:** Cloth or paper coated with abrasive material in sheets, discs or on wheels.

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**10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Incompatibility:** None known.

**Hazardous Decomposition Products:** Dust from sanding could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being sanded or coatings applied to the base material.

**Hazardous Polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**HEALTH HAZARDS:**

**Ingestion:** None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract.

**Inhalation:** Dust may cause respiratory irritation.

**Eye:** Dust may cause eye irritation. Dust particles may cause abrasive injury to the eyes.

**Skin:** None expected under normal use conditions. Rubbing product across the skin may cause mechanical irritation or abrasions.

**Sensitization:** This material is not known to cause sensitization.

**Chronic:** Long-term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Excessive inhalation of respirable dust may cause a progressive, disabling and sometimes fatal lung disease. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Prolonged overexposure to fluorides may cause a bone condition, fluorosis. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being sanded. Most of the dust generated during sanding is from the base material being sanded and the potential hazard from this exposure must be evaluated.

**Carcinogenicity:** None of the other components are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

**Medical Conditions Aggravated by Exposure:** Employees with pre-existing respiratory disease may be at risk from exposure.

**Acute Toxicity Values:**

This product and its components are not acutely toxic. The only acute toxicity data available for the components are listed below.

Cryolite: LD50 Oral rat >5g/kg

**12. ECOLOGICAL INFORMATION**

No ecological data is available for this product. No hazards to the environment are expected from this product. However, consideration must be given to potential environment effects of the base material being processed.

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**13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

**14. TRANSPORT INFORMATION**

**DOT Hazardous Materials Description:**

Proper Shipping Name: Not Regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

**15. REGULATORY INFORMATION**

**Hazard Categories:** Not Applicable

**California Proposition 65:**



**WARNING:** This product may expose you to Formaldehyde and/or Titanium Dioxide, a chemical known to the State of California to cause cancer. For more information go to:

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**WARNING you create dust when you cut, sand, and drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.**

**Canadian WHMIS Classification:** Not a controlled product. This product meets the definition of a "manufactured article" under the WHMIS regulations.

This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

**16. OTHER INFORMATION**

**NFPA Hazard Rating:** Health: 1  
Fire: 0  
Reactivity: 0

**Date:** March 18<sup>th</sup> 2018

**Revision Summary:** Section 8 Exposure Limits; Comprehensive Review

**Prepared By:** D Patel

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