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:
These Products do not require any warning label under OEHHA (NSRLs).
For more information go to: www.P65Warnings.ca.gov

WARNING you create dust when you cut, sand, 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: 0
Fire: 1
Reactivity: 0
Instability: 0
Special Hazard: None

Date: August 15th 2018
SDS Date of review: July 6th 2021

Prepared By: D Patel

This product contains Titanium dioxide.
Lung cancer has been observed in Rats that inhaled high levels of Titanium Dioxide. No exposure to inhaled titanium dioxide is expected during the handling and use of this product in any condition.

11.7: Medical Conditions Aggravated by Exposure:
Employees with pre-existing respiratory disease may be at risk from exposure of material being ground and or sanded.

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

Acute Toxicity:

Aluminum Zirconia	Oral	>5000 mg/Kg (LD50, rat)
	Inhalation	>4.3 mg/L/4h (LC50, rat)
Aluminum Oxide	Oral	>5000 mg/Kg (LD50, rat)
	Inhalation	>7.6 mg/L/4h (LC50, rat)
Ceramic Alumina	Ingestion	>5000 mg/Kg (LD50, rat)
	Inhalation	>2,30 mg/L/4h (LC50, rat)
	Dermal	>2100 mg/Kg (LD50, rabbit)
Cryolite	Oral	>10000 mg/Kg (LD50, rat)
	Inhalation	>200 mg/L (LC50, rat)
	Dermal	>2000 mg/Kg (LD50, rabbit)
Calcium Carbonate	Dermal	>2000 mg/Kg (LD50, rat)
	Oral	>6450 mg/kg (LD50, rat)
	Inhalation	>3 mg/L/4h (LC50, rat)
Formaldehyde	Oral	>500 mg/Kg (LD50, rat)
	Inhalation	>0.578 mg/L/4h (LC50, rat)
	Dermal	>270 mg/Kg (LD50, rabbit)
Potassium Fluoroborate	Oral	>2000 mg/Kg (LD50, rat)
Titanium Dioxide	Inhalation	>6.82 mg/L/4h (LC50, rat)
	Ingestion	>10000 mg/Kg (LD50, rat)
	Dermal	>10000 mg/Kg (LD50, rabbit)

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.

10.5: Hazardous Decomposition Products:
Under recommended usage conditions, hazardous decomposition products are not expected.
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:

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

11.2: Inhalation:
Dust may cause respiratory irritation from material being ground.

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

11.4: Skin:
None expected under normal use conditions. Manual rubbing product across the skin may cause irritation or abrasions.

11.4: Sensitization:
Not applicable

11.5: 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.

11.6: Carcinogenicity:
None of the other components are listed as a carcinogen or potential carcinogen by OSHA, NPT or IRAC.

Ingredient	CAS No.	Class Description	Regulation
Titanium Dioxide	13463-67-7	Grp. 2B: Possible human carc.	International Agency for Research on Cancer

8.3.2: Skin Protection:

Gloves and protective clothing: Wear appropriate gloves to avoid or minimize the injury to the skin from contact with dust and abrasion from grinding and sanding. Cloth or leather gloves are recommended.
Wear appropriate protective clothing as needed to prevent contamination of personal clothing and avoid skin exposure to the material being ground.

8.3.3: Eye, Face and Ear Protection:

Avoid eye and face contact to minimize the risk of injury to eyes and face, always wear eye and face protection when sanding or grinding operation and or standing near such operation.
Safety glass with side shield is recommended.
Hearing protection may be required based on the recommendations of the grinder manufacturer and material being ground.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade: Solid Abrasive Product
Boiling Point: Not Applicable
Solubility in Water: Insoluble
Specific Gravity: Not Applicable
Melting Point: Not Applicable
Flammable Limits: **LEL**: Not Applicable
pH: Not Applicable

General Physical Form: Solid
Vapor Pressure: (mm Hg) Not Applicable
Vapor Density: (Air = 1) Not Applicable
Evaporation Rate: Not Applicable
Flash Point: Non-Combustible
UEL: Not Applicable

10. STABILITY AND REACTIVITY

10.1: Stability and reactivity:

Coated abrasive products are stable and non-reactive when handled and stored correctly.

10.2 Chemical Stability:

No decomposition in normal use

10.3 Hazardous Reaction/Polymerization:

No polymerization and or reaction will occur

10.4: Incompatibility:

No dangerous reaction known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1: Exposure Guidelines:

Hazardous Components	CAS #	OSHA PEL	ACGIH TWA
Vulcanize Fibre	N/A	N/A	N/A
Nylon plastic button	25038-54-4	N/A	N/A
Aluminum Oxide	1344-28-1	15 mg/m3	10 mg/m3
and/or Aluminum Zirconia	1314-23-4	5 mg/m3	5 mg/m3
and/or Alumina Ceramic	1344-28-1	15 mg/m3	10 mg/m3
and/or Silicone Carbide	409-21-2	15 mg/m3	10 mg/m3
Calcium Carbonate	1317-65-3	15mg/m3	none established
Cryolite (Na3AlF6)	15096-523	2.5 mg/m3	2.5 mg/m3
Potassium Fluoroborate (KBF4)	14075-53-7	2.5 mg/m3	2.5 mg/m3
Titanium Dioxide	13463-67-7	15mg/m3	10mg/m3
Binder System (Cured Adhesive)	N/A	N/A	N/A
Natural Wax	N/A	N/A	N/A

ACGIH: American Conference of Governmental Industrial Hygienists.
OSHA: Occupational Safety and Health Administration
CMRG: Chemical Manufacturer Recommended Guideline.
AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)
TWA: Time-Weighted-Average
STE: Short Term Exposure Limit.

8.2: Engineering Controls:

Ventilation: Provide adequate ventilation to control dust concentration below recommended occupational exposure limits for the material being ground.

8.3: PERSONAL PROTECTIVE EQUIPMENT (PPE):

8.3.1: 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.

5. FIRE-FIGHTING MEASURES

5.1: Suitable extinguishing media:
In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water, foam, sand, powder or CO2 as appropriate for surrounding materials.

5.2: Special hazards arising from the substance or mixture:
None inherent in this product. Use respiratory protective equipment for any unknown from surrounding.

Hazardous Decomposition or By-Products:
Carbon monoxide: During combustion
Carbon Dioxide: During combustion

5.3: Special protective actions for fire-fighters:
When firefighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing according to the surrounding area.

6. ACCIDENTAL RELEASE MEASURES

6.1: Personal precautions, protective equipment and emergency procedures.
Follow other section of SDS, section 4 and section 5 for health hazards, respiratory protection and ventilation and personal protective equipment.

6.2: Environmental precautions
Not applicable

6.3: Methods and material for containment and cleaning up:
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

7.1: 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. Avoid eye contact with dust or airborne particles. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

7.1: Storage:
Store in a cool and dry place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS #	% (optional)
Vulcanize Fibre	N/A	45 – 70
Nylon Plastic button	25038-54-4	10 - 20
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 (Na3AlF6)	15096-523	0 – 35
Potassium Fluoroborate (KBF4)	14075-53-7	0 – 10
Titanium Dioxide	13463-67-7	0 – 0.2
Binder System (Cured Adhesive)	N/A	13 – 35
Natural Wax	N/A	0 – 5

4. FIRST AID MEASURES

4.1: Description of first aid measures:

Inhalation:
Remove person to fresh air if over exposed to sanding dust and get medical attention if required.

Skin contact:
Wash with soap and water if over exposed to sanding dust and wash contaminated clothing before reuse.

Eye Contact:
Flush eyes thoroughly with water, holding eyelids open. Get medical attention if irritation persists.

If Swallowed: (Inhalation):
Not likely due to the form of the product; if over exposed to the sanding dust, get medical attention if necessary.

4.2: Most important symptoms and effects, both acute and delayed:
See Section 11 for Information on toxicological effects.

4.3: Indication of any immediate medical attention and special treatment required.
Not applicable.

Gemtex Abrasives
SAFETY DATA SHEET
Coated Abrasives – Mini Resin fibre disc – All grades

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity / Trade Name: Coated Abrasives - Mini Resin Fibre Disc Type R/S: A, C, Zee, Zee Supreme, PMD, PMD Supreme, Silicon Carbide, Gem Supreme.

Product Use: Abrasive materials used for Industrial and professional application such as sanding, grinding metals, wood, concrete, masonry and building Materials.

Manufacturer: Gemtex Abrasives
234 Belfield Road
Toronto, M9W 1H3Ontario, Canada

Internet: www.gemtexabrasives.com

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

SDS Date of Preparation: August 2018
SDS Date of review: July 6th 2021

2. HAZARDS IDENTIFICATION

2.1: Hazard classification:
Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label elements:
Not applicable.

Symbols:
Not Applicable

Other hazards:
Not known.

EMERGENCY OVERVIEW

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