

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity / Trade Name: Coated Abrasives - Resin over Resin, Cotton Cloth, Fiber, Polyester Backing or Paper (Dry Wall Sheets, Cloth or Paper Sheets, Flap Wheels, Flap Discs, Flap Discs, Fiber Discs, PSA Cloth Discs, Paper Stearate Discs, Shop Rolls, Abrasive Belts, Sanding Products)

Floor
Product Use: Abrasive materials used for sanding metals, concrete, masonry and building materials



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2. HAZARDS IDENTIFICATION

This product is cloth or paper coated with abrasive material in sheets, discs or on wheels

EMERGENCY OVERVIEW

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Component | CAS # | % |
|---|-------------|-------|
| Aluminum Oxide | 1344-28-1 | 0-50 |
| and/or Silicon Carbide | 409-21-2 | 0-50 |
| and/or Garnet | 12178-41-5 | 0-30 |
| and/or Zirconium Oxide | 1314-23-4 | 0-30 |
| Cured Phenolic or Urea Formaldehyde Resin | N/A | 5-40 |
| and/or Calcium Carbonate | 1317-65-3 | 0-25 |
| and/or Calcium Stearate | 1592-23-0 | 5-10 |
| and/or Calcium Sulfate | 7778-18-9 | 0-5 |
| and/or Zinc Stearate | 557-05-1 | 0-10 |
| and/or Cryolite (as fluorides) | 15096-52-3 | 0-15 |
| and/or Potassium Fluoroborate | 14075-53-7 | 5-0 |
| and/or Flame Retardant | Proprietary | 0-8 |
| And/or Kaolin | 1332-58-7 | 0-5 |
| And/or Crystalline Silica, Quartz | 14808-60-7 | 0.1-1 |
| Cotton or Polyester Cloth | N/A | 15-55 |
| and/or paper backing | N/A | 20-65 |
| and/or fibre | N/A | 35-70 |

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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines:

| Hazardous Component | OSHA PEL | ACGIH TLV |
|---|--|---|
| Aluminum Oxide | 15 mg/m ³ (total dust) | 1 mg/m ³ (respirable) (as Al metal) |
| Silicon Carbide | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | 10 mg/m ³ (inhalable fraction) 3 mg/m ³ (respirable) |
| Garnet | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | None Established |
| Zirconium Oxide (as Zr) | 5 mg/m ³ | 5 mg/m ³ TWA 10 mg/m ³ STEL |
| Cured Phenolic or Urea Formaldehyde Resin | None Established | None Established |
| Calcium Carbonate | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | None Established |
| Calcium Stearate | None Established | None Established |
| Calcium Sulfate | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | 10 mg/m ³ (inhalable) |
| Zinc Stearate | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | 10 mg/m ³ |
| Cryolite (as fluorides) | 2.5 mg/m ³ | 2.5 mg/m ³ |
| Potassium Fluoroborate (as fluorides) | 2.5 mg/m ³ | 2.5 mg/m ³ |
| Flame Retardant | None Established | None Established |
| Kaolin | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | 2 mg/m ³ (respirable) |
| Cotton or Polyester Cloth | None Established | None Established |
| Crystalline Silica, Quartz | 10 mg/m ³ (respirable) % Silica + 2 30 mg/m ³ (total dust) % Silica + 2 | 0.025 mg/m ³ |
| Paper Backing | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | None Established |
| Fibre | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable) | None Established |

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 UEL: Not Applicable

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

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

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 crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Prolonged overexposure to fluorides may cause a bone hazard. In most cases, is the exposure to elevated noise levels during operations may affect hearing. A greater of the dust generated during sanding is from the base material being sanded and the potential hazard from this exposure must be evaluated.
Carcinogenicity: Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. 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
Zinc Stearate: LD50 Oral rat >10 gm/kg
Calcium Stearate: LD50 Oral rat >10 gm/kg
Kaolin: LD50 Oral rat >5,000 mg/kg; LD50 dermal rat >6,000 mg/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.

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

SARA Section 311/312 Hazard Categories: Not Applicable

SARA Section 313: Some products contain the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting):

| | | |
|--------------------------------------|----------|-------|
| Zinc Stearate (as zinc compounds) | 557-05-1 | 0-10% |
|--------------------------------------|----------|-------|

(Only in 9x11 Sheets - No Load Stearate, Fileboard Sheets - No Load, PSA Paper Discs - Stearate and Premium and Hook and Loop Paper Discs - Premium)

California Proposition 65: 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: 1
Fire: 0
Reactivity: 0