



PRODUCTS COMPANY

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## Material Safety Data Sheet

**MSDS Date:** 5/9/07  
**Product Name:** X-PANDOTITE SPECIAL GLASS (WHITE, GREY, BLACK)  
**Manufacturer:** X-Pando Products Company

### 1. Product and Company Description

X-Pando Products Company  
500 Southard Street  
Trenton, NJ 08638

**For Product Emergency/Information:**  
609-394-0150

**Product Use:**  
Sealant for glass to metal and ceramic to metal. For use on Assemblies; Glass Door and Railing Installations.

### 2. Hazards Identification

#### Emergency Overview

**Appearance/Odor:** White, Grey and Black powder with no odor.

#### Potential Health Effects:

**Acute Eye:**

May cause mechanical irritation if exposed to large amounts of the dust.

**Acute Skin:**

This product may cause skin irritation.

**Acute Inhalation:**

May cause irritation to respiratory tract and lung damage if exposure is repeated or prolonged. Although unlikely, inhalation of fumes from heated material may cause metal fume fever, a flu-like illness characterized by delayed symptoms of cough, muscle pains chills and nausea.

**Acute ingestion:**

This product may cause gastrointestinal harm and nausea if it is swallowed.

**Chronic Exposure:**

Prolonged or repeated skin contact may cause burns. Prolonged inhalation of dust may lead to lung damage (pneumoconiosis). Symptoms include coughing, difficulty breathing, and the production of black sputum. Symptoms may be delayed until after years of exposure.

**Aggravation of Pre-existing Conditions:**

Individuals with pulmonary and/or respiratory disease, including, but not limited to, asthma and bronchitis, or subject to eye irritation should be precluded from exposure.

### 3. Hazardous Chemical Composition

Component	CAS#	%
Magnesium Oxide	1309-48-4	10-45
Magnesium Chloride	7791-18-6	15-35
Calcium Carbonate	1317-65-3	30-60
Starch Gum	9004-53-9	0-5
Magnesium Sulfate	7487-88-9	0-5
Titanium Dioxide	13463-67-7	0-5

### 4. First Aid Measures

#### First Aid Measures for Accidental:

**Eye Exposure:**

Irrigate eyes with large amounts of water for at least 15 minutes, while holding the eyelid(s) open. Seek medical attention if irritation persists.

**Skin Exposure:**

Wash the affected area with soap and water. Seek medical attention if irritation persists.

**Inhalation:**

Move victim to fresh air and treat symptomatically.

**Ingestion:**

Contact local poison control center or physician IMMEDIATELY.

### 5. Fire Fighting Measures

#### Fire Hazard Data:

**Autoignition:** N/A

**Flash Point:** N/A

**Flammability Limits (vol/vol%):**

**Lower:**  
N/A

**Upper:**  
N/A

**Extinguishing Media:**

Use medium suitable for surrounding material.

**Special Fire Fighting Procedures:**

Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

**Unusual Fire and Explosion Hazards:**

Fire produces oxides of magnesium, calcium and carbon.

## 6. Accidental Release Measures

### Cleanup and Disposal of Spill:

Vacuum or scoop spilled material and place in closed containers for disposal. Avoid dust generation. Dispose of waste in accordance with local, state and federal regulations.

## 7. Handling and Storage

### Handling/Storage:

Avoid dust generation and wear proper personal protection equipment as identified in Section 8. Store in a closed container in dry area.

## 8. Exposure Controls / Personal Protection

### Exposure Guidelines:

Component	ACGIH	OSHA-PELs
Magnesium Oxide	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> respirable dust
Magnesium Chloride	5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Calcium Carbonate	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup> respirable dust
Starch Gum	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>
Magnesium Sulfate	ND	ND
Titanium Dioxide	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>

### Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

### Respiratory Protection:

If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces.

### Eye / Face Protection:

Chemical splash goggles or safety glasses. Emergency eye wash stations and showers should be available within the work area.

### Skin Protection:

Wear chemical resistant, impervious gloves for routine industrial use. Use body protection appropriate for task. An apron or other impermeable body protection is suggested. Full-body chemical protective clothing is recommended for emergency response procedures.

## 9. Physical and Chemical Properties

**Physical Appearance:** White, Gray and Black powder

**Odor:** None

**pH:** NA

**Specific Gravity/Density:** 2.63

**Water Solubility:** Appreciable

**Melting Point:** N/A  
**Freezing Point** ND  
**Boiling Point:** N/A  
**Vapor Pressure:** ND  
**Percent Volatiles by Volume:** ND  
**Evaporation Rate:** ND  
**Viscosity:** ND  
**Flash Point:** N/A  
**Explosion Limits:** Lower: N/A  
Upper: N/A  
**Autoignition Temp:** N/A

## 10. Stability and Reactivity

**Chemical Stability:**

Stable

**Conditions to Avoid:**

Dust generation

**Materials / Chemicals to Be Avoided:**

Avoid contact with strong acids and strong bases.

**Hazardous Decomposition Products:**

Hazardous decomposition products such as hydrogen chloride, chlorine and magnesium oxide fumes may develop with exposure to high temperatures.

**Hazardous Polymerization:**

Will not occur.

## 11. Toxicological Information

**Acute Effects**

For Magnesium Oxide: LD50 Mouse: 810 mg/kg

For Magnesium Chloride: LD50 Rat: 8100 mg/kg

**Chronic Effects**

Carcinogenicity: Not identified as a carcinogen by NTP, IARC or OSHA

Mutagenicity: No Data

Reproductive Effects: No Data

Developmental Effects: No Data

## 12. Ecological Information

**Environmental Fate:**

No information found

**Environmental Toxicity:**

No information found

### 13. Disposal Considerations

**Waste Disposal Method:**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14. Transportation Information

**US Department of Transportation Shipping Name:**

US Department of Transportation	Proper Shipping Name	Not regulated
	Hazard Class	Not regulated
	ID Number	Not regulated
	Packing Group	Not regulated

### 15. Regulatory Information

**Federal Regulations:**

**SARA Title III Hazard Classes:**

Fire Hazard: No  
Reactive Hazard: No  
Release of Pressure: No  
Acute Health Hazard: No  
Chronic Health Hazard: No

**TSCA**

All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements

**U.S. State Regulations:**

California Prop 65 List: None

**Canada Regulations:**

Classification: Not classified according to WHMIS criteria

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

### 16. Other Information

**National Fire Protection Association NFPA(R) and Hazardous Materials Identification System (HMIS) Hazard Ratings –:**

Health Hazard: 1  
Flammability: 0  
Reactivity: 0

**Key Legend Information:**

N/A – Not Applicable

ND – Not Determined

ACGIH – American Conference of  
Governmental Industrial Hygienists

OSHA – Occupational Safety and Health  
Administration

TLV – Threshold Limit Value

IDLH – Immediately Dangerous to Life and  
Health

PEL – Permissible Exposure Limit

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

NTP – National Toxicology Program

IARC – International Agency for Research on  
Cancer