

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name. : X-PANDO PIPE JOINT COMPOUND

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Sealant for threaded and flanged pipe.

#### 1.3. Details of the supplier of the safety data sheet

X-Pando Products Company  
204 Stokes Avenue  
Ewing, NJ 08638

#### 1.4. Emergency telephone number

Emergency number : 609-394-0150

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

STOT SE 3 H335  
STOT RE 2 H373

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

GHS08

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H335 - May cause respiratory irritation  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P260 - Do not breathe dust/fume/gas/mist/vapours/spray  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P271 - Use only outdoors or in a well-ventilated area  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P312 - Call a POISON CENTER/doctor.../if you feel unwell  
P314 - Get medical advice and attention if you feel unwell  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to ...

#### 2.3. Other hazards

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No data available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Magnesium chloride, hexahydrate	(CAS No.) 7791-18-6	15 - 40	Not classified
Limestone	(CAS No.) 1317-65-3	15 - 40	Not classified
Magnesium oxide	(CAS No.) 1309-48-4	10 - 30	Not classified
Graphite	(CAS No.) 7782-42-5	7 - 13	Not classified
Dextrin	(CAS No.) 9004-53-9	1 - 5	Not classified

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Move victim to fresh air and treat symptomatically.

First-aid measures after skin contact : Wash the affected area with soap and water. Seek medical attention if irritation persists.

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- First-aid measures after eye contact : Irrigate eyes with large amounts of water for at least 15 minutes, while holding the eyelid(s) open. Seek medical attention if irritation persists.
- First-aid measures after ingestion : Contact local poison control center or physician IMMEDIATELY.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after 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.
- Symptoms/injuries after skin contact : This product may cause skin irritation.
- Symptoms/injuries after eye contact : May cause mechanical irritation if exposed to large amounts of the dust.
- Symptoms/injuries after ingestion : This product may cause gastrointestinal harm and nausea if it is swallowed.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
- Unsuitable extinguishing media : None.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Fire produces oxides of magnesium, calcium and carbon.
- Explosion hazard : None known.

### 5.3. Advice for firefighters

- Protection during firefighting : 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.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid creating or spreading dust.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

None.

### 6.3. Methods and material for containment and cleaning up

- For containment : If possible, stop flow of product.
- Methods for cleaning up : 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.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid generating dust.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a closed container in dry area.

### 7.3. Specific end use(s)

Sealant for threaded and flanged pipe.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Magnesium oxide (1309-48-4)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
Limestone (1317-65-3)		
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

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Graphite (7782-42-5)		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (all forms except graphite fibers)
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (synthetic)

### 8.2. Exposure controls

Appropriate engineering controls	: Local exhaust and general ventilation must be adequate to meet exposure standards.
Hand protection	: Wear chemical resistant, impervious gloves for routine industrial use.
Eye protection	: Chemical splash goggles or safety glasses. Emergency eye wash stations and showers should be available within the work area.
Skin and body protection	: An apron or other impermeable body protection is suggested. Full-body chemical protective clothing is recommended for emergency response procedures.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: Gray to black
Odour	: Odorless
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 2.56
Solubility	: Water: Appreciable
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

### 10.3. Possibility of hazardous reactions

Will not occur.

### 10.4. Conditions to avoid

Dust generation.

### 10.5. Incompatible materials

Avoid contact with strong acids and strong bases.

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### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>Magnesium chloride, hexahydrate (7791-18-6)</b>	
LD50 oral rat	8100 mg/kg
ATE (oral)	8100 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated 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.
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 14: Transport information

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

### 14.1. UN number

Not applicable

### 14.2. UN proper shipping name

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>Magnesium oxide (1309-48-4)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Limestone (1317-65-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Graphite (7782-42-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### Dextrin (9004-53-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### 15.2. International regulations

#### CANADA

#### X-PANDO PIPE JOINT COMPOUND

WHMIS Classification Class D Division 2 Subdivision B - Toxic material causing other toxic effects

#### Magnesium chloride, hexahydrate (7791-18-6)

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

#### Magnesium oxide (1309-48-4)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

#### Limestone (1317-65-3)

WHMIS Classification Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

#### Graphite (7782-42-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

#### Dextrin (9004-53-9)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification Uncontrolled product according to WHMIS classification criteria

### 15.3. US State regulations

#### Magnesium oxide (1309-48-4)

U.S. - Massachusetts - Right To Know List  
U.S. - Minnesota - Hazardous Substance List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### Limestone (1317-65-3)

U.S. - Massachusetts - Right To Know List  
U.S. - Minnesota - Hazardous Substance List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

#### Graphite (7782-42-5)

U.S. - Massachusetts - Right To Know List  
U.S. - Minnesota - Hazardous Substance List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Full text of H-phrases:

STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure

### HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible  
Flammability : 0 Minimal Hazard  
Physical : 0 Minimal Hazard

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*