



# MATERIAL SAFETY DATA SHEET

## Products and Company Identification

**Common Name** : Pyrophyllite

**Chemical Name** : Hydrated Aluminum Silicate

**Trade Names**

Altiplus™ P225	Altiplus™ P445	Altiplus™ P645
Altiplus™ P1045	Altiplus™ C315	Altiplus™ C310
Altiplus™ C406	Altiplus™ C504	Altiplus™ C602
Altibright™ 2400	Altiblock™ D900	Altiblock™ D600
Altiblock™ T400	Altiblock™ T200	

**Material Uses** : Fillers and Extenders

**Manufacturer** : Trinity Resources Ltd  
250 Minerals Road  
PO Box 14069, Station Manuels  
Conception Bay South, NL A1W 3J1  
CANADA

**In Case of Emergency** : Phone: (709) 834-2186  
: Fax: (709) 834-8856

## Hazard Identification

**Physical State** : Solid (Powder)

**Odour** : Odourless

**Color** : White to Grey

**Hazard Status** : Classified as a hazardous product under WHMIS in Canada and as defined by the Hazard Communication Standard (29 CFR 1910.1200) in the United States.

**Hazard Status** : **WARNING**  
NOT AN ACUTE HAZARD. CONTAINS QUARTZ. May cause eye or skin irritation in high concentrations. As with all mineral dusts, minimize dusting during clean up. Avoid breathing dust. Prolonged inhalation may cause lung injury

**Emergency Overview** : Inhalation, Ingestion

**Routes of Entry**

**Potential Acute Health Effects** : High concentrations may cause mechanical irritation to the eyes

**Eyes**

: High concentrations may cause dryness or irritation associated with dryness

**Skin** : Prolonged inhalation of dust can cause lung injury

**Inhalation** : No known significant effects or hazards

**Ingestion** : Prolonged or repeated exposures to air-borne quartz may cause injury to the lungs.

**Potential Chronic Health Effects** : Prolonged or repeated exposures to air-borne quartz may cause injury to the lungs.



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## Composition / Information on Ingredients

CAS # %

	CAS #	%
<u>Mineral</u>	12269-78-2	90
		-
		100
Pyrophyllite	12001-26-2	5
		-
		10
Mica	14808-60-7	0.1
		-5
Quartz	14808-60-7	0.1
		-5

## First Aid Measures

**Eye Contact** : In case of mechanical irritation of eyes, rinse gently with plenty of flowing water. Get medical help if symptoms occur

**Skin Contact** : Wash with water. Apply common skin moisturizers to relieve dryness.

**Inhalation** : Move to fresh air. Get medical help if symptoms occur

**Ingestion** : Unlikely to be toxic by ingestion

**Notes to Physician** : No Specific antidote

## Fire Fighting Measures

**Flammability** : Not flammable

**Extinguishing Media** : Not flammable

**Special Exposure Hazards** : None

**Special Equipment** : Fire fighters should wear appropriate protective equipment to fight the surrounding fire. The product itself is non-flammable.

## Accidental Release Measures

**Personal Precautions** : Use suitable protective equipment

**Environmental Precautions** : Avoid dispersal of spilled material.

**Methods for Cleaning Up** : Avoid creating dusty conditions and prevent wind dispersal

## Handling and Storage

**Handling** : Good housekeeping and environmental controls are important to prevent accumulation of dust in the work area. Avoid generating dust. The use of compressed air for cleaning clothing and equipment is not recommended. Handle open containers with care.

**Storage** : Keep in a dry place

## Exposure Controls / Personal Protection

<u>Mineral Name</u>	<u>TLV / PEL</u>
Pyrophyllite	ACGIH TLV: 3mg/m <sup>3</sup> respireable, 10mg/m <sup>3</sup> inhalable

Mica	<b>ACGIH TLV:</b> TWA: 3 mg/m <sup>3</sup> 8 hours
Quartz	<b>OSHA PEL:</b> TWA respirable fraction formula: 10mg/m <sup>3</sup> / % SiO <sub>2</sub> + 2, <b>ACGIH TLV:</b> 0.025mg/m <sup>3</sup> (respirable fraction)

**Engineering Measures** : Use with adequate ventilation. If user operations generate dust, use process enclosures.

**Personal Protection**

<b>Eyes</b>	: Safety Glasses if user operation generates excessive dust.
<b>Skin</b>	: None required.
<b>Respiratory</b>	: Disposable particulate mask.
<b>Hands</b>	: None Required, but gloves can be worn if dryness is a problem.



**HMIS Code/Personal** : E

**Protective Equipment**

**Protection in case of large spill** : In case of large spill use disposable particulate mask. Use gloves if mechanical irritation of skin occurs.

## Physical and Chemical Properties

<b>Physical State</b>	: Solid (Powder)
<b>Color</b>	: White to Light Grey
<b>Odour</b>	: Odourless
<b>pH</b>	: 6
<b>Relative Density</b>	: 2.7 to 2.85
<b>Solubility</b>	: Not soluble in water

## Stability and Reactivity

<b>Stability</b>	: Stable
<b>Incompatibility with various substances</b>	: Reactive with strong acids and oxidizing materials
<b>Hazardous Decomposition Products</b>	: Under normal conditions and use hazardous decomposition will not occur
<b>Hazardous Polymerization</b>	: Will not occur

## Toxicological Information

<b>Acute Effects</b>	
<b>Eyes</b>	: High concentrations may cause mechanical irritation to the eyes
<b>Skin</b>	: High concentrations may cause irritation
<b>Inhalation</b>	: Prolonged inhalation of dust can cause lung injury
<b>Potential Chronic Health Effects</b>	: Classified A4 (Not classifiable in humans or animals)
<b>Target Organs</b>	: Respiratory Tract

## Ecological Information

<b>Environmental Precautions</b>	: No significant effects or hazards
<b>Products of Degradation</b>	: N/A

## Disposal Considerations

**Waste Disposal** : Dispose of According to all Federal, Provincial, and Local applicable regulations

## Transport Information

**NAERG** : Not Applicable  
**UN/IMDG/IATA/DOT/TDG** : Not Regulated

## Regulatory information

**WHMIS**



**Domestic Substances List**

Class D2A  
 All Components Listed

**U.S. Federal and State Regulations**

TSCA: All components listed  
 Pennsylvania RTK: quartz: (generic environmental hazard)  
 Florida: quartz  
 Minnesota: quartz  
 Massachusetts RTK: quartz  
 New Jersey: quartz  
 SARA 302/304/311/312 hazardous chemicals: quartz  
 SARA 311/312 MSDS Distribution – chemical inventory – hazard identification: quartz:  
 immediate health hazard, delayed health hazard  
 OSHA: Hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200)

## Other Information

**Hazardous Material  
 Information System (U.S.A.)**

**HMIS RATING**

<b>HEALTH</b>	<b>1*</b>
<b>FIRE HAZARD</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>E</b>

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