



# Material Safety Data Sheet

Material Name: OPTIBLOC® Products

ID: C-MS-AT-2100OPTIBLOCEU

**\*\*\* Section 1 - Chemical Product and Company Identification \*\*\***

**Chemical Name:** Mixture

**Product Use:** Antiblock

**Synonyms:** OPTIBLOC® 8, OPTIBLOC® 10, OPTIBLOC® 25

**Manufacturer Information**

Barretts Minerals Inc. (Wholly Owned Subsidiary of Specialty Minerals, Inc.)  
8625 Highway 91 South  
Dillon, MT, USA 59725

Phone: 1-877-684-7627

Fax: None

Emergency # 1-877-684-7627

**\*\*\* Section 2 - Composition / Information on Ingredients \*\*\***

CAS #	Component	Percent (wt/wt)
Trade Secret	Proprietary substance	30-60
14807-96-6	Talc	30-60
14808-60-7	Quartz	10-30

## Component Information

**\*\*\* Section 3 - Hazards Identification \*\*\***

### Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

### Potential Health Effects: Eyes

This product may cause irritation to the eyes.

### Potential Health Effects: Skin

This product may cause irritation to the skin.

### Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

### Potential Health Effects: Inhalation

Long-term excessive exposures may cause Talcosis, a pulmonary fibrosis, which in turn may lead to severe and permanent damage to the lungs. **WARNING:** This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

### Medical Conditions Aggravated by Exposure

Pre-existing respiratory, skin and eye diseases.

### Potential Environmental Effects

No significant environmental effects.

### HMIS Ratings: Health: 1\* Fire: Reactivity:

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

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## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes.

### First Aid: Skin

For skin contact, wash immediately with soap and water.

### First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice.

### First Aid: Inhalation

Move person to non-contaminated air.

### First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

This material will not burn.

### Hazardous Combustion Products

None.

### Extinguishing Media

Use methods for the surrounding fire.

### Fire Fighting Equipment/Instructions

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Contain the discharged material.

### Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

### Evacuation Procedures

None necessary.

### Special Procedures

No additional information available.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Avoid contact with skin and eyes.

### Storage Procedures

Store in a cool, dry, well-ventilated area.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### A: General Product Information

Attempts should be made to eliminate all contact with skin and eyes, and to limit inhalation exposure.

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## B: Component Exposure Limits

### Talc (14807-96-6)

ACGIH: 2 mg/m3 TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)  
OSHA: 2 mg/m3 TWA (respirable dust, less than 1% crystalline silica)  
NIOSH: 2 mg/m3 TWA (respirable dust, containing no asbestos and less than 1% quartz)

### Quartz (14808-60-7)

ACGIH: 0.025 mg/m3 TWA (respirable fraction)  
OSHA: 0.1 mg/m3 TWA (respirable dust)  
NIOSH: 0.05 mg/m3 TWA (respirable dust)

## Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

## PERSONAL PROTECTIVE EQUIPMENT

### Personal Protective Equipment: Eyes/Face

Wear dust goggles.

### Personal Protective Equipment: Skin

Use impervious gloves.

### Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

### Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b> White powder	<b>Odor:</b> None
<b>Physical State:</b> Solid	<b>pH:</b> N/A
<b>Vapor Pressure:</b> N/A	<b>Vapor Density:</b> N/A
<b>Boiling Point:</b> N/A	<b>Melting Point:</b> N/A
<b>Solubility (H2O):</b> Insoluble	<b>Specific Gravity:</b> N/A

## \*\*\* Section 10 - Stability & Reactivity \*\*\*

### Chemical Stability

Stable under normal conditions.

### Chemical Stability: Conditions to Avoid

None identified.

### Incompatibility

None identified.

### Hazardous Decomposition

None known.

### Hazardous Polymerization

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### A: General Product Information

Silicosis may result from very high acute exposure or chronic exposure to silica dusts.

#### B: Component Analysis - LD50/LC50

Quartz (14808-60-7)

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Oral LD50 Rat: 500 mg/kg

## Carcinogenicity

### A: General Product Information

There may be a relationship between silicosis and certain cancers.

### B: Component Carcinogenicity

#### Talc (14807-96-6)

ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers); A1 - Confirmed Human Carcinogen (containing asbestos fibers)

IARC: Monograph 93 posted (inhaled), Supplement 7 [1987], Monograph 42 [1987] (Group 3 (not classifiable))

#### Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen

NIOSH: potential occupational carcinogen

NTP: Known Carcinogen (Select Carcinogen)

IARC: Monograph 68 [1997] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

This material is not expected to be harmful to aquatic life.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

##### Talc (14807-96-6)

96 Hr LC50 Brachydanio rerio: >100 g/L [semi-static]

### Environmental Fate

No data available for this product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Dispose of material in accordance with all applicable regulations.

## \*\*\* Section 14 - Transport Information \*\*\*

### International Transportation Regulations

Not regulated as dangerous goods.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

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## Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Talc	14807-96-6	Yes	No	Yes	Yes	Yes	Yes	No
Quartz	14808-60-7	No	No	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

## Other Regulations

### A: General Product Information

No additional information available.

### B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Talc	14807-96-6	Yes	Yes	No	Yes	Yes	Yes	No	Yes	Yes	Yes
Proprietary substance	Trade Secret	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes
Quartz	14808-60-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

## C: Component Analysis - WHMIS IDL

Component	CAS	Present
Quartz	14808-60-7	Yes

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

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### Key/Legend

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This is the end of MSDS # C-MS-AT-2100OPTIBLOCEU