

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

Chemical Name: Magnesium Silicate Hydrate

Product Use: Mineral Additive

Synonyms: ABT® 1000, ABT® 2500, ABT® 2501, CERCRON® MB 2900, CERCRON® MB 3900, CERCRON® MB 50-60, CERCRON® MB 96-67, CERCRON® MB 96-68, CERCRON® MB 99-01, CERCRON® MP 97-30, CERCRON® MP 98-25, CERCRON® MP 99-48, MICROTALC® DM 12-50, MICROTALC® MP 10-52, MICROTALC® MP 11-51, MICROTALC® MP 12-50, MICROTALC® MPD 12-50, MICROTALC® MP 12-52, MICROTALC® MP 15-38, MICROTALC® MP 20-40, MICROTALC® MP 25-38, MICROTALC® MP 30-36, MICROTALC® MP 50-26, MICROTALC® MP 70-22, MICROTALC® MP 98-28BC, MICROTALC® MP 45-26BC, MICROTALC® MPD 2500, MICROTALC® MPD 2501, PC 2000, TALCRON® MP 10-52, TALCRON® MP 12-50, TALCRON® MP 15-38, TALCRON® MP 25-38, TALCRON® MP 30-36, TALCRON® MP 40-27, TALCRON® MP 44-26, TALCRON® 45-26, ULTRATALC® 609, ULTRATALC® 609D

Manufacturer Information

Barretts Minerals Inc. (Wholly Owned Subsidiary of Specialty Minerals, Inc.) Phone: 1-877-684-7627

PO Box 1147 Fax: None

8625 Highway 91 South Emergency # 1-877-684-7627

South of Dillon, MT, USA 59725

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

| CAS # | Component | Percent |
|--------------|-------------------------|----------------|
| 14807-96-6 | Talc | 60-100 |
| 1318-59-8 | Chlorite-group minerals | 1-5 |
| 14808-60-7 | Quartz | 0.1-1.0 |

***** 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.

***** 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.

B: Component Exposure Limits - Eight Hour

Talc (14807-96-6)

Austria: 5 mg/m³ MAK (asbestfaserfrei)

Belgium: 2 mg/m³ VLE

Finland: 5 mg/m³ TWA

German: 2 mg/m³ MAK (respirable fraction, without asbestos fibers)

Greece: 10 mg/m³ TWA

Ireland: 10 mg/m³ OEL (inhalable dust); 1 mg/m³ OEL (respirable dust)

Israel: 4 mg/m³ TWA (total dust); 2 mg/m³ TWA (respirable dust)

Netherlands: 1 mg/m³ MAC (respirable dust)

Portugal: 2 mg/m³ TWA (respirable fraction, particulate matter containing no asbestos and <1% crystalline silica)

Spain: 2 mg/m³ VLA-ED (respirable fraction, this limit is for particulate matter that doesn't contain asbestos and has less than 1% crystalline silica)

Sweden: 2 mg/m³ LLV (total dust); 1 mg/m³ LLV (respirable dust)

2 mg/m³ MAK (asbestfaserfrei, respirable)

UK: 1 mg/m³ TWA (respirable dust)

Quartz (14808-60-7)

Austria: 0.15 mg/m³ MAK (einschl., Feinstaub); 4 mg/m³ MAK (Quarzhaltiger Feinstaub)
Belgium: 0.1 mg/m³ VLE (respirable dust)
Finland: 0.2 mg/m³ TWA
France: 0.1 mg/m³ VME (listed under silica cristallines)
Ireland: 0.4 mg/m³ OEL (respirable dust)
Israel: 0.3 mg/m³ TWA (total dust); 0.1 mg/m³ TWA (respirable dust. Listed under 'Silica - Crystalline')
Netherlands: 0.075 mg/m³ MAC (respirable dust)
Norway: 0.3 mg/m³ OEL (total dust); 0.1 mg/m³ OEL (respirable dust)
Portugal: 0.05 mg/m³ TWA (respirable fraction)
Spain: 0.1 mg/m³ VLA-ED (respirable fraction)
Sweden: 0.1 mg/m³ LLV
0.15 mg/m³ MAK (respirable, listed under Siliciumdioxid, kristallines)

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 *****

White Powder, No Odor

***** Section 10 - Chemical Stability & Reactivity Information *****

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

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

There may be a relationship between silicosis and certain cancers.

B: Component Carcinogenicity

None of this product's components are listed in EU-76/769/EEC Carcinogens categories 1 or 2.

***** 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

No ecotoxicity data are available for this product's components.

Environmental Fate

