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

1.1. Product identifier

Product form: Mixture
Product name: TALC
Product code: C-MS-AT-2042STDTALC


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

Use of the substance/mixture: Mineral Additive

1.3. Details of the supplier of the safety data sheet

Barretts Minerals Inc.
8625 Highway 91 South
Dillon, MT 59725
USA

Tel. 406-683-3323

1.4. Emergency telephone number

Emergency number: +1 760 476 3962
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don’t need the access code)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Carc. 1A H350

2.2. Label elements

GHS-US labeling
Hazard pictograms (GHS-US): 

Signal word (GHS-US): Danger

Hazard statements (GHS-US): H350 - May cause cancer (Inhalation)

Precautionary statements (GHS-US): P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust
P280 - Wear protective gloves, protective clothing, eye protection, face protection
P308+P313 - If exposed or concerned: Get medical advice/attention
P405 - Store locked up
2.3. Other hazards

Other hazards not contributing to the classification: Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc</td>
<td>(CAS No) 14807-96-6</td>
<td>60-100</td>
<td>Not classified</td>
</tr>
<tr>
<td>Chlorite-group minerals</td>
<td>(CAS No) 1318-59-8</td>
<td>1-15</td>
<td>Not classified</td>
</tr>
<tr>
<td>Quartz (fine fraction)</td>
<td>(CAS No) 14808-60-7</td>
<td>0.1-1.0</td>
<td>Carc. 1A, H350 STOT SE 3, H335 STOT SE 1, H370</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.

First-aid measures after skin contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop, obtain medical attention.

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop, obtain medical attention.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water to drink. If symptoms develop, obtain medical attention.

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

Symptoms/injuries after inhalation: May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact: Repeated and/or prolonged skin contact may cause irritation.

Symptoms/injuries after eye contact: May cause eye irritation.

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 known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: None known.

Reactivity: Stable under normal conditions.

5.3. Advice for firefighters

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Use personal protective equipment as required.

Emergency procedures: Evacuate unnecessary personnel. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust.
6.1.2. For emergency responders

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Where excessive dust may result, wear approved mask.

Emergency procedures: Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin and eyes. Do not breathe dust. Wear independent breathing equipment.

6.2. Environmental precautions

Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Collect using vacuum cleaner fitted with HEPA filter. Sweep or shovel spills into appropriate container for disposal. Minimize generation of dust. Do not dry sweep dust. Store away from other materials.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Avoid contact with skin and eyes. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Talc (14807-96-6)</th>
<th>Talc (14807-96-6)</th>
<th>Talc (14807-96-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>2 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>Remark (OSHA)</td>
<td>(3) See Table Z-3.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quartz (fine fraction) (14808-60-7)</th>
<th>Quartz (fine fraction) (14808-60-7)</th>
<th>Quartz (fine fraction) (14808-60-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>0.025 mg/m³ Respirable Fraction</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>0.1 mg/m³</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>Remark (OSHA)</td>
<td>(3) See Table Z-3.</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded. Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear chemically resistant protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Use chemically protective clothing.

Respiratory protection: Dust mask or respirator.

Thermal hazard protection: Not required for normal conditions of use.

Environmental exposure controls: Avoid release to the environment.

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White. Powder.</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
</tbody>
</table>
Odor threshold: No data available
pH: No data available
Relative evaporation rate (butyl acetate=1): No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available
Relative density: 2.8
Solubility: Insoluble.
Water:
Log Pow: No data available
Log Kow: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosive properties: Not explosive.
Oxidizing properties: Not oxidizing.
Explosive limits: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
Dust formation.

10.5. Incompatible materials
None.

10.6. Hazardous decomposition products
None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity: Not classified
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: May cause cancer (Inhalation).

Talc (14807-96-6)
IARC group: 3 - Not classifiable
Quartz (fine fraction) (14808-60-7)

IARC group 1 - Carcinogenic to humans
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after inhalation: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact: Repeated and/or prolonged skin contact may cause irritation.
Symptoms/injuries after eye contact: May cause eye irritation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Not classified.

Talc (14807-96-6)
LC50 fish > 100 g/l Brachydanio rerio

12.2. Persistence and degradability
TALC
Persistence and degradability: Not relevant for inorganic substances.

12.3. Bioaccumulative potential
TALC
Bioaccumulative potential: Not relevant for inorganic substances.

12.4. Mobility in soil
TALC
Ecology - soil: No information available.

12.5. Other adverse effects
Effect on ozone layer: No additional information available
Effect on the global warming: No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport
Other information: No supplementary information available.

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1: US Federal regulations
This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
15.2. International regulations

**CANADA**

**TALC**

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

15.2.2. National regulations

**TALC**

All naturally occurring components of this product are automatically included in the USEPA TSCA inventory list per 40 CFR 710.4 (b). All other components are on the USEPA TSCA inventory list.

Generally acceptable for use in vanilla powder and vanilla-vanillan powder under food standards 21 CFR 169.179 and 169.182.

Generally approved for use as a colorant only as components of paper and paperboard in contact with aqueous fatty foods (21 CFR 176.170).

Generally Recognized As Safe as an anti-caking agent in table salt up to 2% (21 CFR 182.2437).

Generally approved for use as a pigment or colorant in the manufacture of articles which come into contact with food, under the following citations: 21 CFR 174.5 (d), 175.105, 175.125, 175.300 (b)(3)(xxvi), 175.320, 175.380, 175.390, 176.170 (b) (2), 176.180 (b) (1), 176.200, 177.1210, 177.1350, 177.1460, 177.2600 (c)(1), 182.70, 182.90.

Generally approved for use in olefin polymers used in the manufacture of articles which come in contact with foods under 21 CFR 177.1520.

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

**Quartz (fine fraction) (14808-60-7)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Talc (14807-96-6)**

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

**Quartz (fine fraction) (14808-60-7)**

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

SECTION 16: Other information


Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>Carc. 1A</th>
<th>Carcinogenicity Category 1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT SE 1</td>
<td>Specific target organ toxicity (single exposure) Category 1</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs</td>
</tr>
</tbody>
</table>
NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard : 0 - Materials that will not burn.
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health : 1 Slight Hazard - Irritation or minor reversible injury possible,* Chronic Hazard - Chronic (long-term) health effects may result from repeated overexposure
Flammability : 0 Minimal Hazard
Physical : 0 Minimal Hazard
Personal Protection : E

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