SECTION 1: Identification

1.1. Identification

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

Use of the substance/mixture: Mineral Additive

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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification
Carcinogenicity Category 1A: H350
Full text of H statements: see section 16

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
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)
Not applicable

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>GHS-US classification</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) 1318-59-9</td>
<td>1-15</td>
<td>Not classified</td>
</tr>
<tr>
<td>Quartz</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>

Full text of hazard classes and H-statements: see section 16

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

Chlorite-group minerals (1318-59-8)

Not applicable

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

<table>
<thead>
<tr>
<th>Product</th>
<th>ACGIH</th>
<th>OSHA PEL (TWA)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>Remark (OSHA)</td>
</tr>
<tr>
<td>ACGIH</td>
<td>0.025 mg/m³ Respirable Fraction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>0.1 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>(3) See Table Z-3.</td>
<td></td>
<td></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

Physical state: Solid
### Appearance
White. Powder.

### Color
White

### Odor
None

### Odor threshold
No data available

### pH
No data available

### Melting point
No data available

### Freezing point
No data available

### Boiling point
No data available

### Flash point
No data available

### Relative evaporation rate (butyl acetate=1)
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.

### Log Pow
No data available

### Auto-ignition temperature
No data available

### Decomposition temperature
No data available

### Viscosity, kinematic
No data available

### Viscosity, dynamic
No data available

### Explosion limits
No data available

### Explosive properties
Not explosive.

### Oxidizing properties
Not oxidizing.

### Other information
No additional information available

## SECTION 10: Stability and reactivity

### Reactivity
Stable under normal conditions.

### Chemical stability
Stable under normal conditions.

### Possibility of hazardous reactions
None known.

### Conditions to avoid
Dust formation.

### Incompatible materials
None.

### Hazardous decomposition products
None known.

## SECTION 11: Toxicological information

### Information on toxicological effects

<table>
<thead>
<tr>
<th>Toxicological effect</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>May cause cancer (Inhalation)</td>
</tr>
</tbody>
</table>
TALC Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Talc (14807-96-6)

| IARC group | Inhaled talc not containing asbestos or asbestiform fibers: 3 - Not classifiable |
| National Toxicology Program (NTP) Status | Talc-based body powder for perineal dusting: 2B – Possibly carcinogenic to humans |

<table>
<thead>
<tr>
<th>Quartz (fine fraction) (14808-60-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group</td>
</tr>
</tbody>
</table>

#### Reproductive toxicity
- Inhaled talc not containing asbestos or asbestiform fibers:
  - Not classified
- Talc-based body powder for perineal dusting:
  - Not classified

#### Specific target organ toxicity
- Inhaled talc not containing asbestos or asbestiform fibers:
  - Not classified
- Talc-based body powder for perineal dusting:
  - 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.

#### Other information
- IARC: In 2006, IARC concluded that inhaled talc not containing asbestos or asbestiform fibers is not classifiable as a human carcinogen (Group 3). IARC concluded that there is limited evidence that the use of talc-based body powder for perineal dusting is a possible risk factor for ovarian cancer (Group 2B). This is not a route of exposure relevant to workers and applies only to one specific use of talc.
- NTP: In 2000, NTP reviewed both “talc containing asbestiform fibers” and “talc not containing asbestiform fibers,” and did not list either type in light of continuing uncertainty in the scientific literature. The NTP did not consider the ovarian cancer studies in the evaluation of talc not containing asbestiform fibers because it was unclear if the talc used in these studies might have been contaminated with asbestos. 66 Fed. Reg. 13,334 (Mar. 5, 2001).
- U.S.FDA: In 2009 – 2010, U.S. FDA conducted a survey of currently marketed cosmetic products containing talc- as well as the talc in the cosmetic products, and found no asbestos fibers or structures. FDA continues to monitor new information concerning talc safety. There are epidemiology studies on this subject in the reported literature that should be consulted for further information.

### SECTION 12: Ecological information

#### 12.1. Toxicity

<table>
<thead>
<tr>
<th>Ecology - general</th>
<th>Not classified.</th>
</tr>
</thead>
</table>

#### 12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>TALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>TALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioaccumulative potential</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in soil

<table>
<thead>
<tr>
<th>TALC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - soil</td>
</tr>
</tbody>
</table>

#### 12.5. Other adverse effects

| Effect on the global warming | No known effects from this product. |
| GWPmix comment | No known effects from 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

**Department of Transportation (DOT)**

In accordance with DOT

Not regulated

**TDG**

Not regulated

**Transport by sea**

Not regulated

**Air transport**

Not regulated

### 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.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Inventory Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc (14807-96-6)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
<tr>
<td>Quartz (fine fraction) (14808-60-7)</td>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

**CANADA**

**WHMIS Classification**

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

**EU-Regulations**

No additional information available

**National regulations**

**TALC**

All naturally occurring components of this product are automatically included in the USEPA TSCA inventory list per 4- CFR 710.4 (b). All other components are on the USEPA TSCA inventory list

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

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 in contact with foods under 21 CFR 177.1520

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

Listed on IARC (International Agency for Research on Cancer)

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

Listed on IARC (International Agency for Research on Cancer)

#### 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
SECTION 16: Other information

Revision date : 05/09/2016

Full text of H-phrases:

<table>
<thead>
<tr>
<th>H-Phrase</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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 - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal Protection : E

- Safety glasses, Gloves, Dust respirator

SDS US (GHS HazCom 2012)

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