SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Talc</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACH Registration number</td>
<td>Exempted in accordance with Annex V.7</td>
</tr>
</tbody>
</table>

Trade names:

- AMTAL C Series – C-88, C-92, C-98, C-300, CB-2773, CB-4060
- AMTAL D Series – 400A-D, 600A-D
- AMTAL G Series – GP-L
- AMTAL H Series – 200-HB, 400A-HB, 500A-HB, 600A-HB

(Additional products may be added to the series and therefore will be covered by this SDS until the next review and publication).

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

This product is used as a functional mineral in the production process of the ceramics, plastics, paint, coatings, rubber, and asphalt industries.

1.3 Details of the supplier of the safety data sheet

- American Talc Company
- PO Box 1048 – Exit 129 Off Interstate 10
- Van Horn, Texas 79855 USA
- Phone 432-283-2330
- Fax 432-283-2569
- [www.americantalc.com](http://www.americantalc.com)

1.4 Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone number</th>
<th>432-283-2330</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hours of operation</td>
<td>0700 -1730 CST (M-F)</td>
</tr>
</tbody>
</table>
SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

**Talc and Dolomite**

Classification (EC 1272/2008):
- Physical and chemical hazards: not classified
- Human health: not classified
- Environment: not classified

Classification (67/548/EEC): Not classified

This product should be handled with care to avoid dust generation.

**Quartz (0 - 3.5%)**

**GHS-US classification**
- Carc. 1A H350
- STOT SE 3 H335
- STOT RE 1 H372

Full text of H-phrases: see section 16

2.2 Label elements

Label element in accordance with Regulation (EC) No 1272/2008

- Pictogram:

- Signal word (GHS-US): Warning
- Hazard statements: H316 – Causes mild skin irritation
  H350 – Harmful if inhaled
  H335 – May cause respiratory irritation

- Precautionary statements: P261 – Avoid breathing dust/fume/gas/mist/vapors/spray

2.3 Other Hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

<table>
<thead>
<tr>
<th>MINERAL NAME</th>
<th>CAS Number</th>
<th>EC Number</th>
<th>% wt/wt</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>TALC (Magnesium Silicate)</td>
<td>14807-96-6</td>
<td>238-877-9</td>
<td>50 – 100</td>
<td>No classification</td>
</tr>
<tr>
<td>DOLOMITE (Magnesium Calcium Carbonate)</td>
<td>16389-88-1</td>
<td>240-440-2</td>
<td>0 – 30</td>
<td>No classification</td>
</tr>
<tr>
<td>QUARTZ (Crystalline Silica)</td>
<td>14808-60-7</td>
<td>238-878-4</td>
<td>0 – 3.5</td>
<td>Carc. 1A, H350, STOT SE 3, H335, STOT RE 1, H372</td>
</tr>
</tbody>
</table>
This product does not contain detectable amounts of asbestos fibers as defined by the US Occupational Safety and Health Administration (OSHA) and the European Directive 83/477/EEC, when analyzed by conventional methods. This statement is based upon verification by certified independent laboratories using Polarized Light Microscopy (PLM), Transmission Electron Microscopy (TEM), Scanning Electron Microscopy (SEM), and Energy-Dispersive X-ray Spectroscopy (EDX).

3.2 Impurities
This product does not contain any classified impurities.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

**Inhalation:** If irritation of nose or throat develops, move away from source of exposure and into fresh air; if irritation persists or breathing difficulties develop seek immediate medical attention.

**Eye Contact:** Flush the affected eye(s) with clean water or saline rinse while holding the eyelids open; if irritation or redness develops, seek medical attention.

**Skin Contact:** Wash with soap and water and apply a moisturizing lotion. Broken skin can be cleansed with mild soap and water; if irritation or redness develops and persists, seek medical attention.

**Ingestion:** No treatment necessary.

4.2 Most important symptoms and effects, both acute and delayed

**Inhalation:** Symptoms of acute accidental exposure are non-specific and similar to the inhalation of any dust that is not toxic; such symptoms may include coughing, wheezing, difficulty breathing and upper respiratory tract irritation. Long-term excessive exposures may lead to severe and permanent damage to the lungs. **WARNING:** This product contains crystalline silica. Long-term overexposure to crystalline silica may lead to cardiopulmonary impairment.

**Eye Contact:** As with most dusts or particulate materials, talc can cause temporary discomfort and irritation if accidentally introduced into the eye.

**Skin Contact:** Prolonged direct exposure can cause drying of skin, but no adverse effects are known as a consequence of application to unbroken skin.

**Ingestion:** This material is considered to be harmless and inert when ingested.

4.3 Indication of any immediate medical attention and special treatment needed
No specific actions are required.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding materials.
5.2 Special hazards arising from the substance or mixture
Hazardous combustion products: None under normal conditions

5.3 Advice for firefighters
Special firefighting procedures: No specific firefighting procedures given

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Follow precautions for safe handling described in this safety data sheet.

6.2 Environmental precautions
No special requirements.
Contain spillage and clean up as indicated below.

6.3 Methods and material for containment and cleaning up
Provide adequate ventilation. If the product is clean and dry, shovel, vacuum or sweep up and return to container for use or disposal. Use caution on wet floor, as it may be slippery.

6.4 Reference to other sections
For personal protection see section 8. For waste disposal see section 13.

SECTION 7: HANDLING AND STOCKING

7.1 Precautions for safe handling
Talc, like all fine powders can create dust when handled. Keep all floors, workstations, stairs and handrails clean and dry. Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

7.2 Conditions for safe storage, including any incompatibilities
Keep in a clean and dry place and in tightly closed containers.

7.3 Specific end use(s)
If you require advice on specific uses, please contact your supplier.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters
Follow workplace regulatory exposure limits for all types of airborne dust. For the national regulations about the Occupational Exposure Limit (OEL) of talc powder: see section 15.1.

8.2 Exposure controls
8.2.1 Appropriate engineering controls:
Minimize airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If
user operations generate dust, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organizational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

**8.2.2 Individual protection measures, such as personal protective equipment:**

**Eye protection:**
Wear safety glasses with side-shields in circumstances where there is a risk of dust generation which could lead to mechanical irritation of the eye.

**Skin protection:**
No specific requirement. For hands, see below.

**Hand protection:**
Protective gloves are not necessary but recommended for those prone to skin irritation or dryness.

**Respiratory protection:**
In case of prolonged overexposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of national legislation.

**8.2.3 Environmental exposure controls**
Avoid wind dispersal.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance:</td>
<td>Powder or rock</td>
</tr>
<tr>
<td>Color:</td>
<td>POWDERS: Dark Gray (almost black) to white</td>
</tr>
<tr>
<td></td>
<td>ROCKS: All colors including black to white</td>
</tr>
<tr>
<td>Odor:</td>
<td>Earthy</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not Relevant</td>
</tr>
<tr>
<td>pH:</td>
<td>~9</td>
</tr>
<tr>
<td>Melting Point/freezing point:</td>
<td>&gt; 1300°C</td>
</tr>
<tr>
<td>Flammability (solid, gas):</td>
<td>Nonflammable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits:</td>
<td>Not explosive. Limits do not apply.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>2.5 – 2.8 g/cm³</td>
</tr>
<tr>
<td>Solubility:</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Negligible</td>
</tr>
<tr>
<td>Solubility in hydrofluoric acid:</td>
<td>Yes</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>&gt; 950°C</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties:</td>
<td>Not oxidizing</td>
</tr>
</tbody>
</table>
9.2 Other information
No other information

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Inert, not reactive
Chemical stability: Chemically stable
Possibility of hazardous reactions: No hazardous reactions
Conditions to avoid: None
Incompatible materials: None known
Hazardous decomposition products: None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Information on the likely route of exposure:
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however, large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. Eye contact may cause physical irritation to the eyes.

Skin contact: Contact with skin may result in irritation. Repeated exposure may cause skin dryness or cracking.

Inhalation: Breathing in dust may result in respiratory irritation.

Talc (14807-96-6) ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers).
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))

The toxicity of crystalline silica is directly proportional to the ability of any particle to reach the lower respiratory tract. Particles with an aerodynamic diameter below 10 microns are likely to be most harmful to humans, as they reach the lower respiratory tract and are less readily removed by the lungs.
SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
   No data are available on this product.
   No specific adverse effect known

12.2 Persistence and degradability
   No data are available on this product.
   Product is an inorganic substance and therefore is not considered biodegradable.

12.3 Bioaccumulative potential
   Not relevant

12.4 Movility in soil
   Negligible

12.5 Results of PBT and vPvB assessment
   Not relevant

12.6 Other adverse effects
   No specific adverse effects known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Talc is not hazardous waste; dispose of in accordance with local, state and federal regulations.

Packaging: Dust formation from residues in packaging should be avoided and suitable worker protection assured.
   Store used packaging in enclosed receptacles.
   The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by in compliance with local, state and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number
   Not relevant

14.2 UN proper shipping name
   Not relevant

14.3 Transport hazard class(es)
   RID/ADR (Int’l. Regulation for Transport of Dangerous Products) NOT LISTED
   DOT (Department of Transportation Classification) NOT HAZARDOUS
   DOT (Department of Transportation Proper Shipping Name) NOT REGULATED
BC Code (Code of Safe Practice for Solid Bulk Cargos)  NOT HAZARDOUS
IMGD (Int’l Code for Dangerous Products)  NOT HAZARDOUS
UN (Classification for Dangerous Products)  NOT LISTED

14.4 Packing Group
Not relevant

14.5 Environmental hazards
Not relevant

14.6 Special precautions for user
No special precautions

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislations specific for the substance or mixture

National legislation/requirements:

Occupational Exposure Limits (OEL) for talc powder: Austria 5 mg/m3 , Belgium 2 mg/m3 , Bulgaria mg/m3 , Czech Republic 2 mg/m3 , Denmark 5 mg/m3 , Finland 5 mg/m3 , France 5 mg/m3 , Germany 2 mg/m3 , Greece 2 mg/m3 , Hungary 2 mg/m3 , Ireland 0.8 mg/m3 , Italy 2 mg/m3 , Lithuania 1 mg/m3 , Luxembourg 2 mg/m3 , Netherlands 0.25 mg/m3 , Norway 2 mg/m3 , Poland 1 mg/m3 , Portugal 2 mg/m3 , Romania 2 mg/m3 , Slovakia 2 mg/m3 , Slovenia 2 mg/m3 , Spain 2 mg/m3 , Sweden 1 mg/m3 , Switzerland 2 mg/m3 , UK 1 mg/m3 , US 2 mg/m3.

International legislation/requirements:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL. This product may contain silica, requiring workplace environmental monitoring.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Dangerous Substance Management Law: This product does not contain chemical substances regulated under SDML.

Waste Management Law: Ensure to dispose of in accordance with the waste treatment standards prescribed in Waste Management Law.

Other regulations based on domestic or foreign laws:
The following inventories have been investigated as to the publicly available portion of the lists:

<table>
<thead>
<tr>
<th>Mineral</th>
<th>CAS</th>
<th>EINECS (EU)</th>
<th>AICS (Australia)</th>
<th>CEPA (DSL/NDS l) (Canada)</th>
<th>KECI Korean Gazette No. (Korea)</th>
<th>ENCS/IS HL/MI/MI (Japan)</th>
<th>IECSC (China)</th>
<th>PICCS (Philippines)</th>
<th>TSCA (USA)</th>
<th>NZIoC (New Zealand)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>238-877-9</td>
<td>Yes</td>
<td>Yes (DSL)</td>
<td>KE-32773</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Dolomite</td>
<td>16389-88-1</td>
<td>240-440-2</td>
<td>Yes</td>
<td>Yes (DSL)</td>
<td>KE-13036</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>238-878-4</td>
<td>Yes</td>
<td>Yes (DSL)</td>
<td>KE-29983</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**OSHA Hazards**
Quartz – Carcinogen, Target Organ Effect, Toxic by inhalation

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

**SARA 311/312**
Acute Health Hazard, Chronic Health Hazard

Under the State’s Right to Know Act, Quartz (Crystalline Silica) CAS #14808-60-7, may appear on an individual State’s hazardous substance list. Please consult the individual State guidelines for proper handling.

**California Proposition 65 Components**
WARNING! This Product contains a chemical (crystalline silica) known to the state of California to cause cancer.

**15.2 Chemical safety assessment**
Exempted from REACH Registration in accordance with Annex V.7.

**SECTION 16: OTHER INFORMATION**

**LEGAL DISCLAIMER:** While the information contained in this SDS is believed to be reliable, no guarantees are made as to its accuracy or completeness. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. The conditions of use, handling, storage and disposal and the suitability of the products are assumed by the user. We expressly disclaim all warranties of every kind and nature, express or implied, including the warranties of merchantability and fitness for a particular purpose.