Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name(s): Wollastonite

Manufacturer: Fibertec Inc.
35 Scotland Boulevard
Bridgewater, MA 02324 U.S.A.

Product Use: Filler for the plastics industry

Health and Technical Contacts:
Health Issues Information (8am-4pm ET): 508-697-5100
Technical Product Information (8am-4pm ET): 508-697-5100

Emergency Contacts:
(8am-4pm ET): 508-697-5100
Emergencies ONLY (after 4pm ET and weekends)
CHEMTREC (24 hours every day): 1-800-424-9300

Section 2 – Hazards Identification

GHS Classification: This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR1910.1200)
Skin Irritation (Category 2)
Eye Irritation (Category 2B)
Carcinogenicity (inhalation) Category 1A
SPECIFIC Target Organ Toxicity – (Repeated Exposure) (respiratory tract) (inhalation) (Category 1)

GHS Label Elements:

Pictogram:

Signal Word:
Danger
Section 2 – Hazards Identification (continued)

Hazard Statements:
H350i May cause cancer by inhalation
H350 Causes damaged to organs through prolonged or repeated exposure if inhaled (respiratory tract)
H315 Causes skin irritation
H335 Causes eye irritation
H335 May cause respiratory irritation

Precautionary Statements:
P101+102+103 Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
P260 Do not breath dust
P264 Wash hands thoroughly after handling
P271 Use only outdoors or in a well ventilated area.
P281 Use personal protective equipment as required
P304+P340+P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call POISON CENTER or physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P337+P313 If skin or eye irritation occurs get medical attention.
P362 Take off contaminated clothing and wash before reuse.
P403+P233 Store in well-ventilated place. Keep container tightly closed.
P501 Dispose of contents in accordance with applicable regulations.

Section 3 – Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Component</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>13983-17-0</td>
<td>Calcium Metasilicate</td>
<td>&lt;99.0%</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Crystalline Quartz (SiO²)</td>
<td>0.7% – 1.2%</td>
</tr>
<tr>
<td>None Assigned</td>
<td>Organic Sizing (“U” designation – NA)</td>
<td>&lt; 0.3 %</td>
</tr>
</tbody>
</table>

Component Information/Information on Non-Hazardous Components

No additional information available.
Section 4 – First Aid Measures

**Inhalation:** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develop, call a physician.

**Skin Contact:** Normal good personal hygiene practices. Wash with mold soap and water after each exposure.

**Eye Contact:** Immediately flush eyes with plenty of running water for at least 15 minutes. If irritation persists get medical attention.

**Ingestion:** Emergency procedures not normally required. May be a temporary irritant to the GI system.

Section 5 – Fire Fighting Measures

**Flash Point and Method:** This is a non-flammable product

<table>
<thead>
<tr>
<th>Upper Flammability Limit</th>
<th>Lower Flammability Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Flammability Classification:** Non-flammable

**Extinguishing Media:** Use an extinguishing agent suitable for the surrounding fire.

**Unusual Fire & Explosion Hazards:** None known.

**Fire-Fighting Instructions:** Not applicable

Section 6 – Accidental Release Measures

**Containment Procedures:** This material contains naturally occurring minerals and environmental precautions are normally not required.

**Clean-Up Procedures:** Scoop up or shovel material into waste container taking care to minimize dust. Vacuum clean dust with equipment fitted with efficient secondary filter.

**Response Procedures:** Isolate area. Keep unnecessary personnel away. A properly fitted NIOSH approved N 95 series disposable dust respirator or equivalent must be worn when using this material. Because of the possibility of high particulate levels occurring with this product, it may be necessary to use a half face respirator with P100 or HEPA filters during response. This decision should be made on a case-by-case basis depending on total exposures. Use respiratory protection in accordance with your company’s respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.
Section 7 – Handling and Storage

Handling Procedures:
Assure proper respiratory protection if dust potential exceeds PEL/TLV. Wear PPE as described in Section 8.

Storage Procedures:
Store in dry area. Always segregate materials by major hazard class.

Special Sensitivity or Incompatibility:
Avoid contact with strong acids.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls:
Maintain sufficient mechanical or natural ventilation to assure dust concentrations remain below PEL-TWA. Use local exhaust if necessary. Power equipment should be equipped with properly designed dust collection devices.

Respiratory Protection:
A properly fitted NIOSH approved N 95 series disposable dust respirator or equivalent must be worn when using this material. Because of the possibility of high particulate levels occurring with this product, it may be necessary to use a half face respirator with P100 or HEPA filters. This decision should be made on a case-by-case basis depending on total exposures. Use respiratory protection in accordance with your company’s respiratory protection program, local regulations and OSHA regulations under 29 CFR 1910.134.

Skin Protection:
Normal work clothing (long sleeved shirts and long pants) is recommended. Use gloves. Skin irritation is known to occur chiefly at the pressure points such as around the neck, wrists, waist and between the fingers. Wear tight fitting goggles and gloves when dusty conditions exist.

Eyes/Face Protective Equipment:
Wear safety glasses, goggles or face shield to avoid eye irritation.
Section 9 – Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White acicular, free flowing</td>
</tr>
<tr>
<td></td>
<td>non metallic mineral powder</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Ph</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific Gravity H2O = 1:</td>
<td>2.9 g/cc</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Physical Properties: Additional Information  No additional information available.

Section 10 – Chemical Stability & Reactivity Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Product is stable under normal conditions</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>None in designed use.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>No hazardous products of decomposition</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Cannot occur</td>
</tr>
</tbody>
</table>

Section 11 – Toxicological Information

**LD 50:** N/Av  
**LC 50:** N/Av

**Toxicological Hazards:**
Some medical studies of wollastonite mine and mill workers suggest that long term cumulative exposures to wollastonite dust may cause decreased pulmonary function or mild industrial bronchitis, particularly in workers who smoke.

The International Agency for Research on Cancer has classified wollastonite as, Group 3: Unclassifiable as to carcinogenicity to humans.

The German MAK Commission evaluation states: In all probability, wollastonite fibers do not have any carcinogenic affects.

**Teratogenicity, Mutagenicity, other Reproductive Effects:** None known
Section 12 – Ecological Information

Ecological Hazards:
Wollastonite is a naturally occurring mineral. Unless contaminated in service, this product is neutral to the environment.

Section 13 – Disposal Considerations

Waste Disposal Method:
May be disposed in an approved landfill unless contaminated in service. If contaminated with hazardous materials, place waste in suitable container. Seal and properly label the waste container. Send the container to an approved Transportation, Storage and Disposal (TSD) facility via an approved waste hauler. Be sure manifests have been completed and an adequate “Paper trail” has been established.

Section 14 – Transportation Information

US DOT Information

Shipping Name: Not regulated
Hazard Class: None
UN/NA #: None
Packing Group: None
Required Label(s): None

TDG Information

Shipping Name: Not regulated as dangerous goods according to Canadian TDGA
Hazard Class: None
UN/NA #: None
Packing Group: None
Required Label(s): None
Additional Info.: None

International Dangerous Goods Information:
IMO: Not regulated as dangerous goods according to IMDG Code
ICAO: Not regulated as dangerous goods according to IACO Technical Instructions.
Section 15 – Regulatory Information

TSCA
Listed

Federal and State Regulations
California prop. 65: This product contains the following ingredients for which the state of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statue: SILICA, CRYSTALLINE-QUARTZ
Pennsylvania RTK: SILICA, CRYSTALLINE-QUARTZ: (generic environmental hazard)
Florida: SILICA, CRYSTALLINE-QUARTZ
Minnesota: SILICA, CRYSTALLINE-QUARTZ
Massachusetts RTK: SILICA, CRYSTALLINE-QUARTZ
New Jersey: SILICA, CRYSTALLINE-QUARTZ
TSCA 8(B) inventory: SILICA, CRYSTALLINE-QUARTZ
SARA 302/304/311/312 hazardous chemicals: SILICA, CRYSTALLINE-QUARTZ
SARA 311/312 MSDS distribution – chemical inventory – hazard identification SILICA, CRYSTALLINE-QUARTZ: Immediate (Acute) Health Hazard, Delayed (Chronic ) Health Hazard

Canadian DSL
Listed

WHMIS (Canada)
Class D-2A: Material causing other toxic effects (VERY TOXIC)

Section 16 – Other Information

Reasonable care has been taken in the preparation of this information, the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Final determination of the suitability of the material for the use contemplated is the sole responsibility of the user. No warranty is expressed or implied, and the manufacturer’s sole responsibility shall be to replace such quantity of the material proven to be defective.

Revision Summary:
This is a revised SDS, which replaces Wollastonite dated 10/10/12 with updated GHS format. Read this information carefully.

<table>
<thead>
<tr>
<th>Rev</th>
<th>Date</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>15 February, 2008</td>
<td>Original</td>
</tr>
<tr>
<td>2</td>
<td>16 April, 2009</td>
<td>Revised and updated format</td>
</tr>
<tr>
<td>3</td>
<td>10 October 2012</td>
<td>Revised and updated format</td>
</tr>
<tr>
<td>4</td>
<td>4 April 2015</td>
<td>Revised and updated format</td>
</tr>
<tr>
<td>4</td>
<td>11 April 2018</td>
<td>Reviewed</td>
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