1. Identification

Product identifier: Glass Wool Filtering Fiber

Other means of identification

- SDS number: 00190
- Part Number: 501-081, 763-265

Recommended use: Not available.

Recommended restrictions: Not available.

Manufacturer/Importer/Supplier/Distributor information

Supplier

- Company name: LECO Corporation
- Address: 3000 Lakeview Avenue
  St. Joseph, MI 49085
  United States
- Telephone: 269-983-5531
- Website: www.leco.com
- E-mail: info@leco.com
- Emergency phone number: Chemtrec: 800-424-9300
  Chemtrec Int'l: 703-527-3887

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards: Not classified.

Environmental hazards: Not classified.

OSHA defined hazards: Not classified.

Label elements

- Hazard symbol: None.
- Signal word: None.
- Hazard statement: The substance does not meet the criteria for classification.

Precautionary statement

- Prevention: Observe good industrial hygiene practices.
- Response: If exposed or concerned: Get medical advice/attention.
- Storage: Store away from incompatible materials.
- Disposal: Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None.

3. Composition/information on ingredients

Substances

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals</td>
<td>65997-17-3</td>
<td>95 - 100</td>
<td></td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Eye contact
Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists.

Ingestion
Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Most important symptoms/effects, acute and delayed
Not available.

Indication of immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures
Use fire-extinguishing media appropriate for surrounding materials.

Suitable extinguishing media
Not available.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special protective equipment and precautions for firefighters
Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures
Keep unnecessary personnel away. Avoid inhalation of dust. Wear appropriate protective equipment and clothing during clean-up.

Personal precautions, protective equipment and emergency procedures
Avoid the generation of dusts during clean-up. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Methods and materials for containment and cleaning up
Avoid release to the environment.

Environmental precautions

7. Handling and storage
Minimize dust generation and accumulation. Avoid contact with skin. Avoid contact with eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Provide appropriate exhaust ventilation at places where dust is formed. Wash thoroughly after handling. Practice good housekeeping.

Precautions for safe handling
Keep tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Conditions for safe storage, including any incompatibilities

8. Exposure controls/personal protection
Provide adequate ventilation.

Appropriate engineering controls

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Material</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass, oxide, chemicals (CAS 65997-17-3)</td>
<td>TWA</td>
<td>3 fibers/cm³</td>
<td>Dust.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 fibers/cm³</td>
<td>Fiber.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>Fiber, total</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 mg/m³</td>
<td>fibers, total dust</td>
</tr>
</tbody>
</table>

Biological limit values
No biological exposure limits noted for the ingredient(s).

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin protection
Wear protective gloves. Suitable gloves can be recommended by the glove supplier.

Hand protection
Wear suitable protective clothing.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.
9. Physical and chemical properties

Appearance

Physical state  
Solid.

Form  
glass fibers

Color  
White

Odor  
Odorless.

Odor threshold  
Not available.

pH  
Not available.

Melting point/freezing point  
Not available.

Initial boiling point and boiling range  
Not available.

Flash point  
Not available.

Evaporation rate  
Not available.

Flammability (solid, gas)  
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)  
Not available.

Flammability limit - upper (%)  
Not available.

Explosive limit - lower (%)  
Not available.

Explosive limit - upper (%)  
Not available.

Vapor pressure  
Not available.

Vapor density  
Not available.

Relative density  
Not available.

Solubility(ies)

Solubility (water)  
Insoluble

Partition coefficient (n-octanol/water)  
Not available.

Auto-ignition temperature  
Not available.

Decomposition temperature  
Not available.

Viscosity  
Not available.

Other information

Softening point  
1220 °F (660 °C)

10. Stability and reactivity

Reactivity  
Not available.

Chemical stability  
Material is stable under normal conditions.

Possibility of hazardous reactions  
No dangerous reaction known under conditions of normal use.

Conditions to avoid  
Contact with incompatible materials.

Incompatible materials  
Strong oxidizing agents. Hydrogen fluoride.

Hazardous decomposition products  
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation  
Dust may irritate respiratory system. Prolonged inhalation may be harmful.

Skin contact  
Dust or powder may irritate the skin.

Eye contact  
Dust may irritate the eyes.
**Ingestion**
May cause discomfort if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**
Dusts may irritate the respiratory tract, skin and eyes.

**Information on toxicological effects**

**Acute toxicity**
Not available.

**Skin corrosion/irritation**
May be irritating to the skin.

**Serious eye damage/eye irritation**
May be irritating to eyes.

**Respiratory or skin sensitization**

- **Respiratory sensitization**
  Not available.

- **Skin sensitization**
  Not available.

- **Germ cell mutagenicity**
  Not available.

**Carcinogenicity**

  Not listed.

- **Reproductive toxicity**
  Not available.

- **Specific target organ toxicity - single exposure**
  Not classified.

- **Specific target organ toxicity - repeated exposure**
  Not classified.

- **Aspiration hazard**
  Not available.

**12. Ecological information**

**Ecotoxicity**
None known.

**Persistence and degradability**
No data is available on the degradability of this product.

**Bioaccumulative potential**
No data available.

**Mobility in soil**
No data available.

**Other adverse effects**
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

**13. Disposal considerations**

**Disposal instructions**
Dispose in accordance with all applicable regulations.

**Hazardous waste code**
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**
Not available.

**Contaminated packaging**
Not available.

**14. Transport information**

**DOT**
Not regulated as dangerous goods.

**IATA**
Not regulated as dangerous goods.

**IMDG**
Not regulated as dangerous goods.

**15. Regulatory information**

**US federal regulations**

- **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**
  Not regulated.

- **CERCLA Hazardous Substance List (40 CFR 302.4)**
  Not listed.

- **SARA 304 Emergency release notification**
  Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

<table>
<thead>
<tr>
<th>Hazard categories</th>
<th>Immediate Hazard - No</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Delayed Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Fire Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Pressure Hazard - No</td>
</tr>
<tr>
<td></td>
<td>Reactivity Hazard - No</td>
</tr>
</tbody>
</table>

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. Massachusetts RTK - Substance List
Glass, oxide, chemicals (CAS 65997-17-3)

US. New Jersey Worker and Community Right-to-Know Act
Glass, oxide, chemicals (CAS 65997-17-3)

US. Pennsylvania Worker and Community Right-to-Know Law
Glass, oxide, chemicals (CAS 65997-17-3)

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).
16. Other information, including date of preparation or last revision

**Issue date**: 06-24-2014

**Revision date**: 08-18-2015

**Version #**: 02

**Disclaimer**: Supplier cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.