

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Fiber-Lok

**Other means of identification**

**SDS number**

**Product code** 00876, 00878

**Recommended use** Non Skid Rug Backing

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Environmental Technology, Inc.

**Address** 300 S. Bay Depot Road  
Fields Landing  
CA 95537

**Telephone** Telephone number 707-443-9323

**E-mail** mail@eti-usa.com

**Contact person** Technical Director

**Emergency phone number** CHEMTREC 800-424-9300

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Serious eye damage/eye irritation Category 2A

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Warning

**Hazard statement** Causes serious eye irritation.

**Precautionary statement**

**Prevention** Wash thoroughly after handling. Wear eye protection.

**Response** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: 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** Not applicable.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name            | CAS number  | %     |
|--------------------------|-------------|-------|
| Sodium Silicate Compound | Proprietary | < 10% |
| Ammonia                  | Proprietary | < 1%  |
| Zinc Oxide               | Proprietary | < 1%  |

The identities of the materials in this product are withheld as a trade secret (29CFR1910.1210(i)) and are available to a physician or paramedical personnel in a emergency situation.

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation** Move to fresh air. Get medical attention if any discomfort occurs.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops or persists.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

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

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Water spray, dry powder or carbon dioxide.

**Unsuitable extinguishing media** Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** By heating and fire, irritating vapors/gases may be formed. Dried product can burn.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Cool containers exposed to flames with water until well after the fire is out.

**Fire-fighting equipment/instructions** Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** Liquid will not burn. Dried material will burn with black smoke. In case of fire, toxic and irritating gases may be formed.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Avoid inhalation and contact with skin and eyes. Wear appropriate personal protective equipment (See Section 8). Ensure adequate ventilation. Keep unnecessary personnel away. Keep out of low areas. For personal protection, see Section 8 of the SDS. Local authorities should be advised if significant spillages cannot be contained.

**Methods and materials for containment and cleaning up** This product is miscible in water. Extinguish all flames in the vicinity. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Collect and dispose of spillage as indicated in section 13 of the SDS.

**Environmental precautions** Never return spills to original containers for re-use. Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

**Precautions for safe handling** Avoid inhalation of vapors and contact with skin and eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Handle and open container with care. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Store in original container. Protect from freezing. Avoid extreme of temperatures.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                   | Type | Value  | Form   |
|------------------------------|------|--|--|
| Ammonia (CAS Proprietary)    | PEL  | 35 mg/m <sup>3</sup><br>50 ppm                                     |  |
| Zinc Oxide (CAS Proprietary) | PEL  | 5 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup><br>15 mg/m <sup>3</sup> | Respirable fraction.<br>Fume.<br>Total dust. |

#### US. ACGIH Threshold Limit Values

| Components                   | Type        | Value                                       | Form   |
|------------------------------|-------------|---|--|
| Ammonia (CAS Proprietary)    | STEL<br>TWA | 35 ppm<br>25 ppm                            |  |
| Zinc Oxide (CAS Proprietary) | STEL<br>TWA | 10 mg/m <sup>3</sup><br>2 mg/m <sup>3</sup> | Respirable fraction.<br>Respirable fraction. |

#### US. NIOSH: Pocket Guide to Chemical Hazards

| Components                   | Type                   | Value  | Form                             |
|------------------------------|------------------------|--|----------------------------------|
| Ammonia (CAS Proprietary)    | STEL<br>TWA            | 27 mg/m <sup>3</sup><br>35 ppm<br>18 mg/m <sup>3</sup><br>25 ppm                           |                                  |
| Zinc Oxide (CAS Proprietary) | Ceiling<br>STEL<br>TWA | 15 mg/m <sup>3</sup><br>10 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup><br>5 mg/m <sup>3</sup> | Dust.<br>Fume.<br>Dust.<br>Fume. |

#### Biological limit values

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

#### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Provide easy access to water supply and eye wash facilities.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear safety glasses with side shields (or goggles).

##### Skin protection

###### Hand protection

Wear protective gloves. Nitrile gloves are recommended.

###### Other

Wear suitable protective clothing. Wear appropriate clothing to prevent repeated or prolonged skin contact.

##### Respiratory protection

No respirator is required under normal conditions of use. Under conditions of frequent or heavy exposure, protection may be needed.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

#### Appearance

Creamy liquid.

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Off-white

#### Odor

Slight ammonia.

#### Odor threshold

Not available.

#### pH

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|   |                 |
|---|-----------------|
| <b>Melting point/freezing point</b>                 | Not available.  |
| <b>Initial boiling point and boiling range</b>      | 212 °F (100 °C) |
| <b>Flash point</b>                                  | Not available.  |
| <b>Evaporation rate</b>                             | Not available.  |
| <b>Flammability (solid, gas)</b>                    | Not available.  |
| <b>Upper/lower flammability or explosive limits</b> |                 |
| <b>Flammability limit - lower (%)</b>               | Not available.  |
| <b>Flammability limit - upper (%)</b>               | Not available.  |
| <b>Explosive limit - lower (%)</b>                  | Not available.  |
| <b>Explosive limit - upper (%)</b>                  | Not available.  |
| <b>Vapor pressure</b>                               | Not available.  |
| <b>Vapor density</b>                                | Not available.  |
| <b>Relative density</b>                             | 0.94            |
| <b>Solubility(ies)</b>                              |                 |
| <b>Solubility (water)</b>                           | Miscible.       |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.  |
| <b>Auto-ignition temperature</b>                    | Not available.  |
| <b>Decomposition temperature</b>                    | Not available.  |
| <b>Viscosity</b>                                    | Not available.  |
| <b>Other information</b>                            |                 |
| <b>VOC (Weight %)</b>                               | 0 %             |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. Read and follow manufacturer's recommendations. |
| <b>Chemical stability</b>                 | This product is stable under expected conditions of use.  |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |
| <b>Conditions to avoid</b>                | Excessive heat. Contact with incompatible materials. Freezing.  |
| <b>Incompatible materials</b>             | Strong oxidizing substances. Acids. Metal salts. Halogenated compounds. Calcium. Silver and its compounds.                                    |
| <b>Hazardous decomposition products</b>   | Thermal decomposition or combustion may liberate toxic gases or fumes.  |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |  |
|---------------------|--|
| <b>Ingestion</b>    | Under normal conditions of intended use, this material does not pose a risk to health. May be harmful if swallowed.                      |
| <b>Inhalation</b>   | Inhalation of vapors or mists of the product may be irritating to the respiratory system. Prolonged inhalation may be harmful.           |
| <b>Skin contact</b> | May be harmful if absorbed through skin. May be irritating to the skin. Prolonged or repeated contact may dry skin and cause dermatitis. |
| <b>Eye contact</b>  | Causes serious eye irritation.   |

**Symptoms related to the physical, chemical and toxicological characteristics** Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

### Information on toxicological effects

**Acute toxicity** May cause discomfort if swallowed. May be harmful if absorbed through skin or swallowed.

| Components                                 | Species | Test Results |
|--|---------|--------------|
| Ammonia (CAS Proprietary)                  |         |              |
| <b>Acute</b>                               |         |              |
| <i>Oral</i>                                |         |              |
| LD50                                       | Rat     | 350 mg/kg    |
| Sodium Silicate Compound (CAS Proprietary) |         |              |
| <b>Acute</b>                               |         |              |
| <i>Dermal</i>                              |         |              |
| LD50                                       | Rabbit  | > 4640 mg/kg |
| <i>Oral</i>                                |         |              |
| LD50                                       | Rat     | 1.1 g/kg     |

\* Estimates for product may be based on additional component data not shown.

|   |  |
|---|--|
| <b>Skin corrosion/irritation</b>                          | May cause skin irritation.   |
| <b>Serious eye damage/eye irritation</b>                  | Causes serious eye irritation.                                     |
| <b>Respiratory or skin sensitization</b>                  |  |
| <b>Respiratory sensitization</b>                          | Based on available data, the classification criteria are not met.  |
| <b>Skin sensitization</b>                                 | May cause allergic skin disorders in sensitive individuals.        |
| <b>Germ cell mutagenicity</b>                             | Not classified.  |
| <b>Carcinogenicity</b>                                    | Not classified.  |
| <b>Reproductive toxicity</b>                              | Not classified.  |
| <b>Specific target organ toxicity - single exposure</b>   | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b> | Not classified.  |
| <b>Aspiration hazard</b>                                  | Due to the high viscosity the product is not an aspiration hazard. |
| <b>Further information</b>                                | Not available.   |

## 12. Ecological information

**Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Components                                 | Species | Test Results   |
|--|---------|--|
| Ammonia (CAS Proprietary)                  |         |  |
| <b>Aquatic</b>                             |         |  |
| Fish                                       | LC50    | Western mosquitofish ( <i>Gambusia affinis</i> ) 15 mg/l, 96 hours |
| Sodium Silicate Compound (CAS Proprietary) |         |  |
| <b>Aquatic</b>                             |         |  |
| Fish                                       | LC50    | Bluegill ( <i>Lepomis macrochirus</i> ) 301 - 478 mg/l, 96 Hours   |
| Zinc Oxide (CAS Proprietary)               |         |  |
| <b>Aquatic</b>                             |         |  |
| Crustacea                                  | LC50    | Water flea ( <i>Daphnia magna</i> ) 0.098 mg/l, 48 hours           |

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Persistence and degradability</b> | No data available. |
| <b>Bioaccumulative potential</b>     | No data available. |
| <b>Mobility in soil</b>              | No data available. |
| <b>Other adverse effects</b>         | Not available.     |

## 13. Disposal considerations

|  |   |
|--|---|
| <b>Disposal instructions</b>                 | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.  |
| <b>Hazardous waste code</b>                  | Not regulated.  |
| <b>Waste from residues / unused products</b> | Dispose of in accordance with local regulations.  |

**Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. No special precautions.

**14. Transport information****DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

|                              |        |
|------------------------------|--------|
| Ammonia (CAS Proprietary)    | LISTED |
| Zinc Oxide (CAS Proprietary) | LISTED |

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**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. Massachusetts RTK - Substance List**

Ammonia (CAS Proprietary)  
Zinc Oxide (CAS Proprietary)

**US. New Jersey Worker and Community Right-to-Know Act**

Ammonia (CAS Proprietary)  
Zinc Oxide (CAS Proprietary)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Ammonia (CAS Proprietary)  
Zinc Oxide (CAS Proprietary)

**US. Rhode Island RTK**

Ammonia (CAS Proprietary)  
Zinc Oxide (CAS Proprietary)

## US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.

## International Inventories

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

\*A "Yes" indicates this product complies 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).

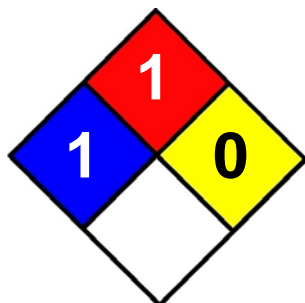
## 16. Other information, including date of preparation or last revision

**Issue date** 01-May-2016

**Revision date** -

**Version #** 01

### NFPA Ratings



### References

ACGIH  
EPA: AQUIRE database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

### Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.