

## 1. Product and Company Identification

**Material name** ST and ST 1250 Sleeving  
**Version #** 01  
**Issue date** 30-September-2013  
**Revision date** -  
**Supersedes date** -  
**CAS #** Mixture  
**Product use** Fiberglass Sleeve.  
**Manufacturer/Supplier** Federal-Mogul World Headquarters  
 26555 Northwestern Highway  
 Southfield, Michigan 48033  
 USA  
 Contact Person: MSDS Request (voicemail) 1-248-354-9844

**Emergency** 24hr EP (INFOTRAC): 1-800-535-5053  
 International: (001) 352-323-3500  
 Non-emergency Telephone: 1-248-354-9844

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Natural color.  
**Emergency overview** Under normal conditions of processing and use, exposure to the chemical constituents in this product is unlikely. Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.  
**OSHA regulatory status** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**Potential health effects**  
**Routes of exposure** Not relevant, due to the form of the product in its manufactured and shipped state.  
**Eyes** No adverse effects due to eye contact are expected.  
**Skin** No adverse effects due to skin contact are expected.  
**Inhalation** No adverse effects due to inhalation are expected.  
**Ingestion** Not relevant, due to the form of the product.  
**Chronic effects** Not relevant, due to the form of the product.  
**Signs and symptoms** Not relevant, due to the form of the product.  
**Potential environmental effects** Not relevant, due to the form of the product in its manufactured and shipped state.

## 3. Composition / Information on Ingredients

| Components | CAS #      | Percent |
|------------|------------|---------|
| Fiberglass | 65997-17-3 | > 95    |

**Composition comments** This product does not generate dust when used as intended.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** No specific first aid measures noted. However, immediately flush with plenty of water for at least 15 minutes.  
**Skin contact** No adverse effects due to skin contact.  
**Inhalation** No specific first aid measures noted.  
**Ingestion** No adverse effects due to ingestion are expected.  
**Notes to physician** Treat symptomatically.

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

## 5. Fire Fighting Measures

**Flammable properties** This product is not flammable.

### Extinguishing media

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** None.

### Protection of firefighters

**Specific hazards arising from the chemical** By heating and fire, toxic vapors/gases may be formed.

**Protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials.

**Hazardous combustion products** Carbon oxides.

## 6. Accidental Release Measures

**Personal precautions** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes. See Section 8 of the MSDS for Personal Protective Equipment.

**Environmental precautions** No special environmental precautions required.

**Methods for containment** Collect and dispose of spillage as indicated in Section 13 of the MSDS.

**Methods for cleaning up** No specific precautions.

## 7. Handling and Storage

**Handling** Normal handling and use of this product should not generate dust or fumes. The intended use of this product does not include its milling, grinding or saw cutting. Observe good industrial hygiene practices.

**Storage** Store in closed original container in a dry place.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components                  | Type | Value                    | Form                |
|-----------------------------|------|--------------------------|---------------------|
| Fiberglass (CAS 65997-17-3) | TWA  | 1 fibers/cm <sup>3</sup> | Fiber.              |
|                             |      | 5 mg/m <sup>3</sup>      | Inhalable fraction. |

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

| Components                  | Type | Value                      | Form               |
|-----------------------------|------|----------------------------|--------------------|
| Fiberglass (CAS 65997-17-3) | TWA  | 0.2 fibers/cm <sup>3</sup> | Fiber.             |
|                             |      | 5 mg/m <sup>3</sup>        | Total particulate. |
|                             |      | 5 mg/m <sup>3</sup>        | Fiber, total       |

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

| Components                  | Type | Value                      | Form              |
|-----------------------------|------|----------------------------|-------------------|
| Fiberglass (CAS 65997-17-3) | TWA  | 0.2 fibers/cm <sup>3</sup> | Fiber.            |
|                             |      | 5 mg/m <sup>3</sup>        | Inhalable fibers. |

## Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

| Components                     | Type | Value               | Form               |
|--------------------------------|------|---------------------|--------------------|
| Fiberglass (CAS<br>65997-17-3) | TWA  | 1 fibers/ml         | Respirable fibers. |
|                                |      | 5 mg/m <sup>3</sup> | Inhalable          |

## Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

| Components                     | Type | Value                                  | Form        |
|--------------------------------|------|--|-------------|
| Fiberglass (CAS<br>65997-17-3) | TWA  | 1 fibres/cm <sup>3</sup><br>(non-asbe) | Fiber.      |
|                                |      | 10 mg/m <sup>3</sup>                   | Total dust. |

## Mexico. Occupational Exposure Limit Values

| Components                     | Type | Value                | Form  |
|--------------------------------|------|----------------------|-------|
| Fiberglass (CAS<br>65997-17-3) | TWA  | 10 mg/m <sup>3</sup> | Dust. |

**Engineering controls** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.

### Personal protective equipment

|                                       |  |
|---------------------------------------|--|
| <b>Eye / face protection</b>          | No special precautions.  |
| <b>Skin protection</b>                | No skin protection is ordinarily required under normal conditions of use.                          |
| <b>Respiratory protection</b>         | No protection is ordinarily required under normal conditions of use and with adequate ventilation. |
| <b>General hygiene considerations</b> | Wash hands after handling.   |

## 9. Physical & Chemical Properties

|   |                      |
|---|----------------------|
| <b>Appearance</b>                                     | Natural color.       |
| <b>Physical state</b>                                 | Solid.               |
| <b>Form</b>   | Solid.               |
| <b>Color</b>  | Natural.             |
| <b>Odor</b>   | Odorless.            |
| <b>Odor threshold</b>                                 | Not applicable.      |
| <b>pH</b>   | Not applicable.      |
| <b>Vapor pressure</b>                                 | Not applicable.      |
| <b>Vapor density</b>                                  | Not applicable.      |
| <b>Boiling point</b>                                  | Not applicable.      |
| <b>Melting point/Freezing point</b>                   | > 500 °F (> 260 °C)  |
| <b>Solubility (water)</b>                             | Insoluble in water.  |
| <b>Specific gravity</b>                               | 2.59                 |
| <b>Flash point</b>                                    | Not available.       |
| <b>Flammability limits in air, upper, % by volume</b> | Not applicable.      |
| <b>Flammability limits in air, lower, % by volume</b> | Not applicable.      |
| <b>Auto-ignition temperature</b>                      | > 1400 °F (> 760 °C) |
| <b>Viscosity</b>                                      | Not applicable.      |

## 10. Chemical Stability & Reactivity Information

|   |  |
|---|--|
| <b>Chemical stability</b>               | Material is stable under normal conditions.  |
| <b>Conditions to avoid</b>              | No special precautions.  |
| <b>Incompatible materials</b>           | None known.  |
| <b>Hazardous decomposition products</b> | Thermal decomposition of this product can generate carbon monoxide and carbon dioxide. |

**Possibility of hazardous reactions** Will not occur.

## 11. Toxicological Information

**Sensitization** Not a skin sensitizer.

**Acute effects** Used as intended, this product is not expected to generate potentially hazardous quantities of dust or fumes.

**Chronic effects** Not relevant, due to the form of the product.

**Carcinogenicity** Not relevant, due to the form of the product.

### ACGIH Carcinogens

Fiberglass (CAS 65997-17-3) A4 Not classifiable as a human carcinogen.

### US NTP Report on Carcinogens: Anticipated carcinogen

Fiberglass (CAS 65997-17-3) Reasonably Anticipated to be a Human Carcinogen.

**Mutagenicity** Not relevant, due to the form of the product.

**Reproductive effects** Not relevant, due to the form of the product.

**Symptoms and target organs** Not relevant, due to the form of the product.

**Further information** Not relevant, due to the form of the product.

## 12. Ecological Information

**Ecotoxicity** Not relevant, due to the form of the product in its manufactured and shipped state.

**Persistence and degradability** Not relevant.

**Bioaccumulation / Accumulation** Not relevant.

**Partition coefficient** Not applicable.

**Mobility in environmental media** Not relevant, due to the form of the product.

## 13. Disposal Considerations

**Disposal instructions** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

**Waste from residues / unused products** Dispose of waste and residues in accordance with local authority requirements.

**Contaminated packaging** Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

### DOT

Not regulated as a hazardous material by DOT.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### TDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

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

Not regulated.

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

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

|   |  |
|---|--|
| <b>Hazard categories</b>  | Immediate Hazard - No<br>Delayed Hazard - No<br>Fire Hazard - No<br>Pressure Hazard - No<br>Reactivity Hazard - No   |
| <b>Section 302 extremely hazardous substance (40 CFR 355, Appendix A)</b> | No   |
| <b>SARA 311/312 Hazardous chemical</b>                                    | No   |
| <b>Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)</b>          | Not controlled   |
| <b>Canadian regulations</b>   | This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33, and the MSDS contains all required information. |
| <b>WHMIS status</b>   | Non-controlled   |

## Inventory status

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Canada                      | Domestic Substances List (DSL)                | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)           | No                     |
| 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).

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

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

Not listed.

### US - New Jersey RTK - Substances: Listed substance

Fiberglass (CAS 65997-17-3) Listed.

### US. Massachusetts RTK - Substance List

Not regulated.

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

Not regulated.

### US. Pennsylvania RTK - Hazardous Substances

Not regulated.

## 16. Other Information

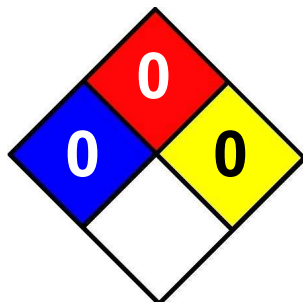
### Further information

HMIS® is a registered trade and service mark of the NPCA.

### HMIS® ratings

Health: 0  
Flammability: 0  
Physical hazard: 0

### NFPA Ratings



**Disclaimer**

The information provided on this data sheet was abstracted from supplier material safety data sheets and standard references in occupational health and toxicology. Federal-Mogul makes no representation or warranty with respect to the information obtained from such references. The information is however, as of the date provided, true and accurate to the best of Federal-Mogul's knowledge, and should be used to make an independent determination of the methods to safeguard workers and the environment.