

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Sto Mesh**  
 Product Code: 80920  
 SDS Manufacturer Number: 80920

Other means of identification:

Synonyms: None.

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Woven Coated Fiberglass Mesh

Chemical manufacturer address and telephone number:

Manufacturer Name: Sto Corp.  
 Address: 6175 Riverside Drive, SW  
 Atlanta, Georgia 30331  
 General Phone Number: (404) 346-3666

Emergency phone number:

Emergency Phone Number: (800) 424-9300

### SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

GHS Pictograms:



Signal Word:

WARNING.

GHS Class:

Eye Irritation. Category 2.  
 Skin Irritation. Category 2.  
 Hazardous to the aquatic environment, short term, acute. category 1.  
 Hazardous to the aquatic environment, long-term, chronic. category 1.

Hazard Statements:

Causes serious eye irritation.  
 Causes skin irritation.  
 Very toxic to aquatic life.  
 Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

Wash hands thoroughly after handling.  
 Avoid release to the environment.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 IF ON SKIN: Wash with plenty of water.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 Specific treatment (see ... on this label).  
 If skin irritation occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Take off contaminated clothing and wash it before reuse.  
 Collect spillage.  
 Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations.

Hazards not otherwise classified that have been identified during the classification process:

Route of Exposure:

Eye contact  
 Skin contact  
 Inhalation

Eye:

Eye contact with dust and fibers may cause short term mechanical irritation.

Skin:

Skin contact with dust and fibers may cause itching and short term irritation.

Inhalation:

Inhaling dust or fibers may cause short-term irritation of the mouth, nose and upper airways and of the intestines.

Ingestion:

Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract.

Chronic Health Effects:

There is no known chronic health effect connected with long-term use or contact with this product.

Carcinogenicity:

This product contains a component which is listed by IARC, OSHA or NTP.

Potential Environmental Effects:

There is no known ecological information for this material.

Aggravation of Pre-Existing Conditions:

Chronic respiratory or skin conditions may temporarily worsen from exposure to this product.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Glass oxide (Continuous filaments)	65997-17-3	60 - 100 %	266-046-0
Antimony trioxide	1309-64-4	<1 by weight	215-175-0

### SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
<b>Skin Contact:</b>	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
<b>Inhalation:</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion:</b>	Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. Rinse mouth with water and drink water to remove fibers from the throat. If symptoms persist, call a physician.

### SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

<b>Suitable Extinguishing Media:</b>	dry chemical foam. carbon dioxide (CO2). water fog
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Specific hazards arising from the chemical:

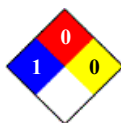
<b>Hazardous Combustion Byproducts:</b>	Carbon monoxide. Carbon dioxide. hydrogen. Other undetermined compounds could be released in small quantities.
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Special protective equipment and precautions for fire-fighters:

**Protective Equipment:** Wear self-contained breathing apparatus (SCBA) and full fire fighting protective gear.

**NFPA Ratings:**

NFPA Health:	1
NFPA Flammability:	0
NFPA Reactivity:	0



### SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

**Personal Precautions:** Avoid contact with skin and eyes.

Environmental precautions:

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up:

**Methods for containment:** This material will settle out of the air.  
Prevent from spreading by covering, diking or other means.

**Methods for cleanup:** Use an industrial vacuum cleaner with a high efficiency filter to clean up dust and fiber contamination.  
Avoid dry sweeping.  
Pick up and transfer to properly labeled containers.

Reference to other sections:

**Other Precautions:** Does not apply.

## SECTION 7 : HANDLING and STORAGE

### Precautions for safe handling:

<b>Handling:</b>	Avoid dust formation. Do not breathe dust. Wear personal protective equipment.
<b>Hygiene Practices:</b>	Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

### Conditions for safe storage, including any incompatibilities:

<b>Storage:</b>	Keep product in its packaging until use to minimize potential dust generation. Product should be kept dry and undercover.
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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### **Glass oxide (Continuous filaments):**

**Guideline ACGIH:** TLV-TWA: 1 f/cc (Respirable)  
5 mg/m<sup>3</sup> (Inhalable)

**Guideline OSHA:** PEL-TWA: 1 f/cc (Respirable)

#### **Antimony trioxide :**

**Guideline ACGIH:** TLV-TWA: 0.5 mg/m<sup>3</sup>

**Guideline OSHA:** PEL-TWA: 0.5 mg/m<sup>3</sup>

### Appropriate engineering controls:

**Engineering Controls:** Provide local exhaust and/or general ventilation to maintain exposure below regulatory and recommended limits.  
Dust collection system must be used in transferring operations, cutting or machining or other dust generating processes, such as using power tools.  
Vacuum or wet clean-up methods should be used.

### Individual protection measures:

**Eye/Face Protection:** Safety glasses with side-shields.

**Skin Protection Description:** Protective gloves.  
Long sleeved shirt and long pants.

**Respiratory Protection:** When workers are facing airborne particulate/dust concentrations above the exposure limit they must use appropriate certified respirators.  
A properly fitted NIOSH approved disposable N 95 type dust respirator or better is recommended.  
Consult with your company's local procedures for selection, training, inspection and maintenance of respirators.  
Otherwise, consult the NIOSH web site ([http://www.cdc.gov/niosh/nppt/topics/respirators/disp\\_part](http://www.cdc.gov/niosh/nppt/topics/respirators/disp_part)) for a list of dust respirator types and approved suppliers.

**General Hygiene Considerations:** Wash hands before breaks and immediately after handling the product.  
Remove and wash contaminated clothing before re-use.

**PPE Pictograms:**



## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

### PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical State Appearance:</b>	Fiberglass mat.
<b>Color:</b>	Black.
<b>Odor:</b>	Faint chemical odor.
<b>Boiling Point:</b>	Not determined.
<b>Melting Point:</b>	Not determined.
<b>Specific Gravity:</b>	Not determined.
<b>Solubility:</b>	Insoluble. in water.
<b>Vapor Density:</b>	Not determined.
<b>Vapor Pressure:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>pH:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Flash Point:</b>	None.
<b>Lower Flammable/Explosive Limit:</b>	Not determined.
<b>Upper Flammable/Explosive Limit:</b>	Not determined.
<b>Auto Ignition Temperature:</b>	Not determined.

## SECTION 10 : STABILITY and REACTIVITY

### Chemical Stability:

**Chemical Stability:** Stable under normal conditions.

### Possibility of hazardous reactions:

**Hazardous Polymerization:** Hazardous polymerization does not occur.

### Conditions To Avoid:

**Conditions to Avoid:** None expected

### Incompatible Materials:

**Incompatible Materials:** No materials to be especially mentioned.

### Hazardous Decomposition Products:

**Special Decomposition Products:** See Section 5 of MSDS for hazardous decomposition products during a fire.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

**Acute Toxicity:** Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.

**Acute Effects:** Dusts may cause mechanical irritation to eyes and skin. Ingestion may cause transient irritation of throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. High exposures may cause difficulty breathing, congestion, and chest tightness.

**Sensitization:** No information available.

**Mutagenicity:** No information available.

**Reproductive Toxicity:** No information available.

**Teratogenicity:** No information available.

**Neurological Effects:** No information available.

### Antimony trioxide :

**RTECS Number:** CC5650000

**Eye:** Administration into the eye - Rabbit Standard Draize test : 100 mg [ Mild ] (RTECS)

**Skin:** Administration onto the skin - Rabbit LDLo - Lowest published lethal dose : 2 gm/kg [ Details of toxic effects not reported other than lethal dose value ] (RTECS)

**Inhalation:** Inhalation - Rabbit TCLo - Lowest published toxic concentration : 90 mg/m<sup>3</sup>/56W (Intermittent) [ Lungs, Thorax, or Respiration - Fibrosing alveolitis ]  
Inhalation - Rat TDLo - Lowest published toxic dose : 4.2 mg/m<sup>3</sup>/1Y (Intermittent) [ Lungs, Thorax, or Respiration - Fibrosing alveolitis ] (RTECS)

**Ingestion:** Oral - Rat LD50 - Lethal dose, 50 percent kill : >34600 mg/kg [ Behavioral - Somnolence (general depressed activity) Skin and Appendages - Hair ]  
Oral - Rat LD50 - Lethal dose, 50 percent kill : >34 gm/kg [ Details of toxic effects not reported other than lethal dose value ] (RTECS)

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity:

**Ecotoxicity:** This material is not expected to cause harm to animals, plants or fish.

### Persistence and degradability:

**Biodegradation:** Not available.

### Bioaccumulative potential:

**Bioaccumulation:** Not available.

### Mobility in soil:

**Mobility In Environmental Media:** Not available.

## SECTION 13 : DISPOSAL CONSIDERATIONS

### Description of waste:

**Waste Disposal:** Dispose of in accordance with Local, State, Federal and Provincial regulations.

**Contaminated Packaging:** Empty containers should be taken for local recycling, recovery or waste disposal.

**RCRA Number:** No EPA Waste Numbers are applicable for this product's components.

**RCRA Characteristics:** This material is not expected to be a characteristic hazardous waste under RCRA.

**SECTION 14 : TRANSPORT INFORMATION**

DOT Shipping Name: Non regulated.  
DOT Hazard Class: Non regulated.  
IATA Shipping Name: Non regulated.  
IMDG UN Number : Non regulated.

**SECTION 15 : REGULATORY INFORMATION**

Safety, health and environmental regulations specific for the product:

Section 311/312 Hazard Categories:

Acute Health Hazard: Yes  
Chronic Health Hazard: No  
Risk of ignition.: No  
Sudden Release of Pressure Hazard.: No  
Reactive Hazard: No

Clean Air Act: This product does not contain any Hazardous Air Pollutants (HAPs).  
Canada WHMIS: Not controlled.  
EU Class: This product is not hazardous according to European Directive 67/548/EEC and 99/45/EC and their latest amendments.  
Risk Phrases: Does not apply.  
Safety Phrase: Does not apply.

Glass oxide (Continuous filaments):

TSCA Inventory Status: Listed  
EINECS Number: 266-046-0  
Japan ENCS: Not listed  
New Jersey: No Data  
Pennsylvania: No Data  
Canada DSL: Listed  
EC Number: 266-046-0  
South Korea KECL: KE-17630  
China: Listed  
Australia AICS: Listed  
Philippines PICCS: Listed

Antimony trioxide:

TSCA Inventory Status: Listed  
Section 313: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.  
California PROP 65: Listed: cancer.  
Canada DSL: Listed  
EC Number: 215-175-0

**SECTION 16 : ADDITIONAL INFORMATION**

HMIS Ratings:

HMIS Health Hazard: 1  
HMIS Fire Hazard: 0  
HMIS Reactivity: 0  
HMIS Personal Protection: X

Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	X

SDS Creation Date: July 07, 2014  
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SDS Revision Notes: Format Update

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