

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Solid/Mesh

Product Name: Sto Mesh

Product Code: 80920

1.2. Intended Use of the Product

Use Of The Substance/Mixture: Woven Coated Fiberglass Mesh

1.3. Name, Address, and Telephone of the Responsible Party

Company

Sto Corp.

3800 Camp Creek Pkwy

Bldg 1400, Ste 120

Atlanta, GA 30331

404-346-3666

www.stocorp.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification: Carcinogenicity (Category 2), H351

When product is sawed, excessively cut, or grinded the below hazards may be present (when product is handled in dust or fibrous form).

2.2. Label Elements

GHS-US/CA Labeling



Signal Word (GHS-US/CA)Hazard Statements (GHS-US/CA)

: **WARNING**
H351: Suspected of causing cancer, Inhalation
Eye Category 2
Skin Category 2
Causes Skin Irritation
Causes Eye Irritation

Precautionary Statements (GHS-US/CA) : **P201** Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Other Hazards

Eye contact may cause mechanical irritation (when product is handled in dust or fibrous form).

Skin contact may cause itching and short term irritation (when product is handled in dust or fibrous form).

Inhalation may cause irritation to respiratory tract (mouth, nose, upper airways, and upper GI tract).

Ingestion may cause irritation to throat, stomach, and gastrointestinal tract.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substance:** Not applicable**3.2. Mixture**

Name	Product Identifier	% *	GHS Ingredient Classification
Glass oxide (continuous filaments)/Glass wool	(CAS-No.) 65997-17-3	60-100	H351: Carc. 2
Antimony trioxide	(CAS-No.) 1309-64-4	<1	H351: Carc. 2 H402: Aquatic Acute 3

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

SECTION 4: FIRST AID MEASURES**4.1. Description of First-aid Measures****General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).**Inhalation:** Move to fresh air. If symptoms persist, seek medical attention.**Skin Contact:** Wash area thoroughly with soap and water for 15-20 minutes. Obtain medical attention if irritation/rash develops or persists.**Eye Contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes. Obtain medical attention.**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.**4.2. Most Important Symptoms and Effects Both Acute and Delayed****General:** Not applicable.**Eye:** Eye contact may cause mechanical irritation (when product is handled in dust or fibrous form).**Skin:** Skin contact may cause itching and short term irritation (when product is handled in dust or fibrous form).**Inhalation** may cause irritation to respiratory tract (mouth, nose, upper airways, and upper GI tract).**Ingestion:** Accidental ingestion of this product is unlikely. Ingestion may cause adverse effects.**Chronic Symptoms:** None known**4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing Media****Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, or dry chemical.**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.**5.2. Special Hazards Arising From the Substance or Mixture****Fire Hazard:** Minimal fire hazard as supplied. Polymers in the adhesive and in the backing will support combustion.**Explosion Hazard:** Product is not explosive.**Reactivity:** Not reactive**5.3. Advice for Firefighters****Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.**Firefighting Instructions:** Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.**Hazardous Combustion Products:** If burned this product may produce hazardous substances including but not limited to carbon dioxide, carbon monoxide, polycyclic organic matter, and smoke.**5.4. Reference to Other Sections**

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal Precautions, Protective Equipment and Emergency Procedures****General Measures:** Avoid contact with skin and eyes.

6.1.1. For Non-Emergency Personnel : Avoid contact with skin and eyes.

6.1.2. For Emergency Personnel: Avoid contact with skin and eyes.

6.2. Environmental Precautions: Prevent spreading into the environment or waterways.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment and Cleaning Up: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams as a best practice. Product will settle out of air if airborne. Use industrial sweeping vacuum to clean up fibrous debris and/or dust.

6.4. Reference to Other Sections : **Section 8:** exposure controls & personal protection and **Section 13:** disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Avoid dust formation. Do not breathe dust. Wear Personal Protective Equipment.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands after handling product and prior to breaks to eat, drink, or smoke. Remove contaminated clothing and wash before reuse.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep product in original container until use to avoid dust formation. Keep product covered/dry.

Incompatible Materials: None.

7.3. Specific End Use(s)

No use is specified.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Glass Oxide (continous filaments), CAS#65997-17-3:

ACGIH (TLV): 1f/cc TWA (Respirable)

5mg/m³ (Inhalable)

OSHA (PEL): 1f/cc TWA (Respirable)

Suspected Human Carcinogen

Antimony Trioxide, CAS#1309-64-4

ACGIH (TLV): 0.02mg/m³ TWA

OSHA (PEL): 0.5mg/m³ TWA

NIOSH (REL): 0.5mg/m³ TWA

Suspected Human Carcinogen

8.2. Exposure Controls

Appropriate Engineering Controls: Provide local or general ventilation controls. Ensure all national/local regulations are observed. Dust collection should be provided when cutting or other dust generating activities are conducted.

Personal Protective Equipment:



Hand Protection: Protective gloves recommended.

Eye and Face Protection: Safety glasses with side-shields recommended.

Skin and Body Protection: Protective gloves. Long sleeved shirt and pants.

Respiratory Protection: When engineering controls do not offer control under the recommended exposure control guidelines, a respirator such as a well fitting N95 respirator should be utilized.

Other Information: Vacuuming or wet cleaning methods should be used. When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on Basic Physical and Chemical Properties**

Physical State	: Fiberglass Mat
Appearance	: Black
Odor	: Faint chemical odor
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: >100 C
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: No data available
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: No data available
Solubility	: Insoluble in water
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Product is not reactive.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Not applicable
- 10.5. Incompatible Materials:** None identified.
- 10.6. Hazardous Decomposition Products:** If burned, thermal decomposition may produce: Carbon oxides (CO, CO₂) and any items listed in Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on Toxicological Effects - Product**

Acute Toxicity: Dusts may cause mechanical irritation. Inhalation may cause irritation of throat, stomach, and gastrointestinal tract.

LD50 and LC50 Data:**Antimony Trioxide, CAS#1309-64-4**

LD50 Oral - Rat - > 34,600 mg/kg Remarks: Behavioral: Somnolence (general depressed activity).

LC50 Inhalation - Rat - male and female - 4 h - > 5.2 mg/l – aerosol

LD50 Dermal - Rabbit - > 8,300 mg/kg, (OECD Test Guideline 403)

Skin Corrosion/Irritation: Mechanical skin irritation.

Eye Damage/Irritation: Eye irritation.

Respiratory or Skin Sensitization: Not applicable

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Antimony Trioxide, CAS#1309-64-4 is a suspected Human Carcinogen

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Antimony trioxide)

Specific Target Organ Toxicity (Repeated Exposure): Not applicable

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Coughing. Nose and throat irritation. High exposures may lead to difficulty breathing, congestion, and chest tightness

Symptoms/Injuries After Skin Contact: Skin irritation.

Symptoms/Injuries After Eye Contact: Eye irritation.

Symptoms/Injuries After Ingestion: Transient irritation of throat, stomach, and gastrointestinal tract.

Chronic Symptoms: Not applicable

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity Ecology - General: This material as supplied is not anticipated to harm plants, animals, or fish.

Antimony Trioxide, CAS#1309-64-4: Harmful to aquatic life

Toxicity to fish static test LC50 :- Pimephales promelas (fathead minnow) - 14.4 mg/l - 96 h Remarks: (ECHA)

Toxicity to algae static test ErC50 :- Pseudokirchneriella subcapitata (green algae) - > 36.6 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to fish(Chronic toxicity): flow-through test NOEC - Pimephales promelas (fathead minnow) - 1.13 mg/l - 28 d Remarks: (ECHA)

12.2. Persistence and Degradability : Not classified.

12.3. Bioaccumulative Potential: Not established.

12.4. Mobility in Soil : No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

This product, as supplied, is classified as RCRA non-hazardous, based upon knowledge of ingredients and the production process.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time this document was issued.

14.1. In Accordance with DOT Not regulated for transport

14.2. In Accordance with IMDG Not regulated for transport

14.3. In Accordance with IATA Not regulated for transport

14.4. In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1. Regulatory Information


The intentional ingredients of this article are listed in the following inventories

All component listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on the Canadian DSL (Domestic Substances List): Active

SARA Section 313 - Emission Reporting, The following components are subject to reporting levels established by SARA Title III, Section 313:	Antimony trioxide, CAS# 1309-64-4
SARA Section 312- Hazard Category	Chronic Health Hazard (all components)

California Prop 65 Warning:

 **WARN** This product contains a component(s), Antimony trioxide and glass oxide (continuous filaments), known to the state of California to cause cancer.

Right to Know:

Pennsylvania Right To Know Components: CAS# 65997-17-3, Glass Wool

New Jersey Right To Know Components: CAS# 65997-17-3, Glass Wool

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest : 12/05/2022

Revision 1.3

Other Information

:

GHS Full Text Phrases: H351: Suspected of causing cancer.

Carcinogenicity (Category 2)

H402: Aquatic Acute 3

Short-term (acute) aquatic hazard (Category 3)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.