

Sto Lamella

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
 Date of Issue: 04/30/2024 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Article

Product Name: Sto Lamella

Product Code: 81882

1.2. Intended Use of the Product

Use Of The Substance/Mixture: mineral wool insulation board

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

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is a manufactured item that meets the definition of an "article" under the OSHA Hazard Communication Standard, which exempts articles from the requirements of the Standard, including the requirement to provide an SDS. This SDS was prepared solely for the reference of, and as a courtesy to Sto Corp. customers.

2.2. Label Elements

GHS-US/CA Labeling

Signal Word (GHS-US/CA) : Not applicable

Hazard Statements (GHS-US/CA) : Not applicable

Precautionary Statements (GHS-US/CA) : Not applicable

2.3. Other Hazards

This product may cause mechanical irritation to the eyes and skin. Temporary irritation of the upper respiratory tract (scratchy throat, coughing, congestion) may result from exposure to dusts and fibers in excess of applicable exposure limits. Pre-existing chronic eye, skin and respiratory conditions may temporarily worsen due to exposure to dusts and fibers. This product may cause allergy in sensitized individuals

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

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance:

Ingredient	Product Identifier (CAS No)	% by weight
Mineral wool	65997-17-3	95-100
Synthetic thermosetting polymer binder	Not available	<5
Mineral oil	64742-65-0	<1

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%).

3.2. Mixture: Not applicable

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: If irritation occurs, remove the affected person to fresh air. Drink water, and blow nose, to clear dusts and fibers from throat and nose. If Irritation persists, consult a physician.

Skin Contact: If irritation occurs, do not rub or scratch. Rinse under running water prior to washing with mild soap and water. Use a washcloth to help remove fibers. If irritation persists, consult a physician.

Eye Contact: If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting the upper and lower eyelids occasionally. Do not rub the eyes. Consult a physician if irritation persists.

Ingestion: Ingestion of this product is unlikely and not intended under normal conditions of use. If it does occur, rinse mouth with plenty of water to help remove dust and fibers, and drink plenty of water to help reduce potential gastrointestinal irritation. Do not induce vomiting unless direct to do so by a physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: Irritation of respiratory tract, skin, and eyes. Pre-existing chronic eye, skin and respiratory conditions may temporarily worsen due to exposure to dusts and fibers.

Inhalation: Temporary mechanical irritation of the upper respiratory tract (scratchy throat, coughing, congestion) may result from exposure to dusts and fibers in excess of applicable exposure limits.

Dermal: Dusts and fibers may cause irritation (itching) or redness to the skin. Pre-existing chronic eye, skin and respiratory conditions may temporarily worsen due to exposure to dusts and fibers

Eye Contact: Dusts and fibers may cause irritation (itching) or redness to the eyes. Pre-existing chronic eye, skin and respiratory conditions may temporarily worsen due to exposure to dusts and fibers

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: Irritation of respiratory tract, skin, and eyes.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

The products are non-combustible and do not pose a fire hazard. However, packaging material may burn.

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: The products are non-combustible and do not pose a fire hazard. However, packaging material may burn.

Explosion Hazard: Product is not explosive.

Reactivity: Not reactive

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any 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: Carbon dioxide, carbon monoxide and trace gases. Binder components and decomposition gases are emitted from the binder, which can be detected by odor.

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: Not applicable

6.1.1. For Non-Emergency Personnel : Not applicable

6.1.2. For Emergency Personnel: Not applicable

6.2. Environmental Precautions: These materials

will disperse and settle along the bottom of waterways and ponds. It cannot easily be removed once it is waterborne, but is considered non-hazardous in water

6.3. Methods and Materials for Containment and Cleaning Up

For Containment and Cleaning Up: Scoop up dusts and fibers after they have settled out of the air. Do not allow to enter waterways or ponds. Avoid generating airborne dusts and fibers during cleanup. Do not use compressed air. Vacuum dusts and fibers. Place material in an appropriate container for disposal as non-hazardous

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: Keep work area clean. Avoid unnecessary handling of scrap material and debris by placing such materials in suitable containers, which should be kept as close to the work area as possible. Avoid generating dusts. Avoid excessive eye and skin contact with dusts and fibers. Use recommended cleanup procedures to avoid buildup of dusts and fibers in the work area.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Remove fibers from the work clothes, before leaving work to reduce potential skin irritation. If working in a very dusty environment, it is advisable to shower and change clothes.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Ensure adequate ventilation

Storage Conditions: Keep material in original packaging until it is to be used. Store material to protect against adverse conditions including precipitation.

Incompatible Materials: Hydrofluoric acid.

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.

Reference Exposure Legal or Recommended Exposure Limit:

OSHA Synthetic Vitreous Fibers, >5 µm length, <3 µm diameter: 1 f/cc TWA (recommended)

Inert dust and particulates not otherwise regulated:

15 mg/m³ TWA-PEL (total particulate)

5 mg/m³ TWA-PEL (respirable particulate)

Reference Exposure Legal or Recommended Exposure Limit:

ACGIH Synthetic Vitreous Fibers, >5 µm length, <3 µm diameter: 1 f/cc TWA (threshold limit value- TLV)

Particulates not otherwise classified, containing no asbestos and <1% crystalline silica:

10 mg/m³ TWA-TLV (inhalable particulate)

3 mg/m³ TWA-TLV (respirable particulate)

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure good ventilation. Where feasible, general dilution ventilation or local exhaust ventilation should be used as necessary to maintain exposures below applicable exposure limits. Dust collection systems should be used in cutting or machining operations and may be needed when using power tools. Local exhaust ventilation may be required if the method of use produces dust levels which exceed applicable exposure limits. A washing facility/water for eye and skin cleaning purposes should be present. Ensure all national/local regulations are observed.

Personal Protective Equipment:

Hand Protection: Use of lightweight cloth or leather gloves recommended.

Eye and Face Protection: Safety glasses or safety goggles with side shields.

Skin and Body Protection: Normal lightweight work clothing will minimize skin contact. Do not tape sleeves or pants at wrists or ankles.

Respiratory Protection: In poorly ventilated areas when dusty conditions exist and/or dust levels exceed applicable exposure limits, wear a NIOSH certified dust respirator with an efficiency rating of N95 or higher.

Other Information: 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	: Solid
Appearance	: Grey, green, brown
Odor	: Minimal, characteristic
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: Approximately 2150°F
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:** This product reacts with hydrofluoric acid
- 10.6. Hazardous Decomposition Products:** If burned, thermal decomposition may produce: Carbon oxides (CO, CO₂). Strong acids, strong bases, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity: Not classified. Coarse fibers and dust from mineral wool products can cause temporary mechanical irritation (itching, redness) of the skin, and of the mucous membranes in the eyes and in the upper respiratory tract (nose and throat). The itching and possible inflammation are a mechanical reaction to dust and coarse fibers (of more than about 5 µm in diameter), and are not damaging in the way chemical irritants may be. They generally abate within a short time after the end of exposure. When products are handled continually, the skin itching generally diminishes

LD50 and LC50 Data:

Name Product Identifier	(CASRN)	Route & Species Value (LD50/LC50)	Results
Mineral wool fiber	65997-17-3		No data identified
Phenol formaldehyde polymer	9003-35-4	Oral, rat Dermal, rat	>5000 mg/kg >2000 mg/kg

Skin Corrosion/Irritation: Coarse fibers and dust from mineral wool products can cause irritation (itching, redness) of the skin. The itching and possible inflammation are a mechanical reaction to dust and coarse fibers (or more than about 5 µm in diameter) and are not damaging in the way chemical irritants may be. The symptoms generally abate within a short time after the end of exposure. When products are handled continually, the skin itching generally diminishes

Eye Damage/Irritation: Coarse fibers and dust from mineral wool products can cause irritation (itching, redness) of the eyes. The itching and possible inflammation are a mechanical reaction to dust and coarse fibers (or more than about 5 µm in diameter) and are not damaging in the way chemical irritants may be. The symptoms generally abate within a short time after the end of exposure.

Respiratory or Skin Sensitization: This product contains a component (phenol formaldehyde polymer) at ≥1% that may cause allergy in sensitized individuals

Germ Cell Mutagenicity: This product is not known to contain any components at ≥0.1% that has been shown to cause mutagenicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a mutagen.

Carcinogenicity: Inhalation: In October 2001, the International Agency for Research on Cancer (IARC) classified mineral wool fibers (rock or slag) as Group 3 (not classified as to carcinogenicity to humans)

Specific Target Organ Toxicity (Repeated Exposure): Not applicable

Reproductive Toxicity: This product is not known to contain any components at ≥0.1% that have been shown to cause reproductive toxicity. Therefore, based upon the available data and the known hazards of the components, this product is not expected to be a reproductive toxin.

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Exposure Acute and Chronic: Effects of exposure may include irritation of the skin, and of the mucous membranes in the eyes and in the upper respiratory tract (nose and throat).

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity Ecology - General: Not classified.

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.

The products, as supplied, are not expected to be a characteristic hazardous waste under RCRA if discarded. Product is not considered a hazardous waste. Dispose of waste material according to Federal, State, Provincial and Local environmental regulations. Comply with relevant regulations with regards to disposal, recycling, treatment, transportation and storage of contents and containers.

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

No special precautions. This product is not considered to be a hazardous material for transport

SECTION 15: REGULATORY INFORMATION

15.1. Regulatory Information

All compounds in this product are listed on the Canada Domestic Substances List (DSL) and the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory

SARA Section 313 - Emission Reporting	None
SARA Section 312- Hazard Category	None

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

- Date of Preparation or Latest Revision** : 04/30/2024
New Document
- Other Information** : Under normal conditions of use this product is not expected to release hazardous chemicals, nor pose a physical hazard or health risk. Irritation may be experienced.

GHS Full Text Phrases: Not applicable

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.