

## SAFETY DATA SHEET

### SECTION 1 : IDENTIFICATION

Product identifier used on the label:

**Product Name:** **Sto RapidGuard**  
**Product Code:** 81571  
**SDS Manufacturer Number:** 81571

Other means of identification:

**Synonyms:** None.

Recommended use of the chemical and restrictions on use:

**Product Use/Restriction:** Sealant.

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:** Acute Toxicity Oral, Category 4.

**Hazard Statements:** Harmful if swallowed.

**Precautionary Statements:** Wear protective gloves/protective clothing/eye protection/face protection. Store in a well-ventilated place. Keep container tightly closed. Call a POISON CENTER or doctor/physician if you feel unwell. Avoid release to the environment. Dispose of contents/container in accordance with Local, State, Federal and Provincial regulations. Store in a well-ventilated place. Keep cool.

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

**Route of Exposure:** Eyes. Skin. Inhalation. Ingestion.

**Potential Health Effects:**

**Eye:** May cause irritation.

**Skin:** May cause skin irritation.

**Inhalation:** Vapors generated as a result of high heat (>350°F) or combustion can be irritating and harmful to the respiratory system.

**Ingestion:** May cause irritation. Ingestion large amounts may cause injury.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Calcium carbonate	1317-65-3	20 - 50 by weight	
Crystalline silica (Quartz)	14808-60-7	0.1 - 1.0 by weight	238-878-4
Undisclosed/Non-hazardous	No Data	70 - 80 by weight	

### 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. Remove contact lenses, if applicable, and continue flushing.
<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. Remove and wash contaminated clothing before re-use.
<b>Inhalation:</b>	No action required.
<b>Ingestion:</b>	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Rinse mouth. Call a physician immediately. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration. Provide a glass of water to dilute the material in the stomach.

## SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

<b>Suitable Extinguishing Media:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
<b>Unsuitable extinguishing media:</b>	Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical:

<b>Hazardous Combustion Byproducts:</b>	Oxides of carbon, oxides of nitrogen and other organic substances may be formed.
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Special protective equipment and precautions for fire-fighters:

<b>Protective Equipment:</b>	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
<b>Fire Fighting Instructions:</b>	Sealant will burn if heated strongly. Water can be used to cool material below flash point. Sealant may emit noxious or toxic fumes.

**NFPA Ratings:**

NFPA Health:	2
NFPA Flammability:	1
NFPA Reactivity:	0



## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

<b>Personal Precautions:</b>	Use proper personal protective equipment as listed in Section 8. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Wear personal protective equipment.
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Environmental precautions:

<b>Environmental Precautions:</b>	Avoid runoff into storm sewers, ditches, and waterways.
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Methods and materials for containment and cleaning up:

<b>Methods for containment:</b>	Prevent from spreading by covering, diking or other means.
<b>Methods for cleanup:</b>	Scrape up the spilled material. Wear appropriate protective equipment and clothing during clean-up.

## SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

<b>Handling:</b>	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Wear PPE as described in Section 8.
<b>Hygiene Practices:</b>	When using, do not eat, drink or smoke. Avoid inhaling vapors, mists, or fumes. Follow good industrial hygiene practices when handling this material.

Conditions for safe storage, including any incompatibilities:

<b>Storage:</b>	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
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Specific end use(s):

<b>Work Practices:</b>	Use good laboratory practice when working with chemicals. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Wash hands and arms frequently. Shower after exposure. Wash work clothes when soiled.
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## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

**Calcium carbonate :**

Guideline ACGIH: TLV-TWA: 2 mg/m3 (R)

**Crystalline silica (Quartz) :**

Guideline ACGIH: TLV-TWA: 0.025 mg/m3 (R)

Appropriate engineering controls:

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels. Otherwise, use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls including use of a biosafety cabinet / fume hood to control airborne levels below recommended exposure limits.

Individual protection measures:

**Eye/Face Protection:** Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

**Skin Protection Description:** Protective laboratory coat, apron, or disposable garment recommended.

**Hand Protection Description:** Use impervious gloves. Nitrile gloves are recommended.

**Respiratory Protection:** A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

**Other Protective:** Follow good industrial hygiene practices when handling this material.

**General Hygiene Considerations:** Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

**PPE Pictograms:**



**Notes :** Only established PEL and TLV values for the ingredients are listed.  
\* Component(s) are bound in the formulation and are not an exposure concern in the mixture or cured product.

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State Appearance:** Paste.  
**Color:** White  
**Odor:** Little to no odor.  
**Boiling Point:** Not available.  
**Melting Point:** No Data  
**Specific Gravity:** No Data  
**Solubility:** Insoluble in water.  
**Vapor Density:** No Data  
**Vapor Pressure:** None.  
**Evaporation Rate:** Not determined.  
**pH:** No Data  
**Flash Point:** >200C (>392F), P.M.C.C., ASTM D-93  
**Flash Point Method:** Data not available.  
**Lower Flammable/Explosive Limit:** Data not available.  
**Upper Flammable/Explosive Limit:** Data not available.  
**Auto Ignition Temperature:** Data not available.  
**VOC Content:** 19.0 g/L (0.159 lb/gallon)

## SECTION 10 : STABILITY and REACTIVITY

Reactivity:

**Reactivity:** Possibility of Hazardous Reactions.

Chemical Stability:

**Chemical Stability:** Stable under normal temperatures and pressures.

Conditions To Avoid:

**Conditions to Avoid:** Avoid high temperature condition. Avoid contact with incompatible materials. High Temperature and High Humidity.

Incompatible Materials:

**Incompatible Materials:** Oxidizers, acids, bases, isocyanates.

Hazardous Decomposition Products:

**Special Decomposition Products:** Oxides of carbon, oxides of nitrogen and other organic substances may be formed. Formaldehyde.

## SECTION 11 : TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

#### Crystalline silica (Quartz):

RTECS Number: VV7330000

**Inhalation:** Inhalation - Rat TCLo - Lowest published toxic concentration : 248 mg/m<sup>3</sup>/6H [ Lungs, Thorax, or Respiration - Other changes Biochemical - Metabolism (intermediary) - Other proteins Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 248 mg/m<sup>3</sup>/6H [ Lungs, Thorax, or Respiration - Changes in lung weight Immunological Including Allergic - Increase in cellular immune response Biochemical - Metabolism (intermediary) - Effect on inflammation or mediation of inflammation ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 200 mg/kg [ Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - Other changes Nutritional and Gross Metabolic - Changes in iron ]  
Inhalation - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [ Lungs, Thorax, or Respiration - Other changes ]  
Inhalation - Mouse TCLo - Lowest published toxic concentration : 40 mg/kg [ Immunological Including Allergic - Decrease in cellular immune response ]  
Inhalation - Rat TCLo - Lowest published toxic concentration : 1 mg/kg (RTECS)

**Ingestion:** Oral - Rat TDLo - Lowest published toxic dose : 120 gm/kg [ Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes ] (RTECS)

**Chronic Effects:** Prolonged and repeated inhalation of respirable crystalline silica can cause silicosis, a chronic lung disease characterized by fibrosis and scarring of the lung tissue resulting in a decrease in lung function, breathlessness, wheezing, coughing and sputum production.

**Carcinogenicity:** Crystalline silica in the form of quartz or cristobalite dust causes cancer of the lung.. Normal application procedures for this product pose no hazard as to the release of crystalline silica dust, but grinding or sanding dried films of this product may yield some respirable crystalline silica.

## SECTION 12 : ECOLOGICAL INFORMATION

### Ecotoxicity:

**Ecotoxicity:** No ecotoxicity data was found for the product.

**Environmental Fate:** No environmental information found for this product.

## SECTION 13 : DISPOSAL CONSIDERATIONS

### Description of waste:

**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines. Triple-rinse drum prior to offering for recycle, reconditioning or disposal. Dispose of rinsate in an environmentally acceptable manner consistent with applicable waste management.

## 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:

**SARA:** This product does not contain any chemicals which are subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III (40CFR, Part 372).

**California PROP 65:** The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):  
WARNING! This product contains a chemical known to the State of California to cause cancer.

#### Crystalline silica (Quartz):

**TSCA Inventory Status:** Listed

**Canada DSL:** Listed

**EC Number:** 238-878-4

## SECTION 16 : ADDITIONAL INFORMATION

### HMS Ratings:

HMIS Health Hazard: 2  
HMIS Fire Hazard: 0  
HMIS Reactivity: 0  
HMIS Personal Protection: X

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	X

SDS Creation Date: August 16, 2013  
SDS Revision Date: September 05, 2017  
SDS Revision Notes: Format Update  
SDS Format:

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