



Sealing Devices, Inc.
 4400 Walden Avenue, Lancaster, NY 14086
 Phone - 716-684-7600; fax - 716-684-0760
 E-mail - seals@sealingdevices.com www.sealingdevices.com

MATERIAL SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: SD2700-121 Generator End Shield Channel Sealant

General Chemical Description: Fluorosilicone
Physical Form: Paste
Color: White
Odor: slight odor
NFPA Profile: Health-2 Flammability-1 Instability/Reactivity-0

Emergency Phone (24 hours): Chemtrec (800) 424-9300
International Emergency Phone: Chemtrec (703) 527-3887

SECTION 2: INGREDIENTS

| CAS NUMBER | WT % | COMPONENT NAME |
|------------|------|----------------|
| 11-42-5 | <1.0 | Styrene |
| | | |

The above components are hazardous as defined in 29 CFR 1910.1200.

SECTION 3: PHYSICAL DATA

Physical Form: Paste
 Odor: Slight Odor
 Color: White
 Viscosity: Not Determined
 Volatile Content: Not Determined
 Specific Gravity @ 25°C: 1.35
 Boiling Point: Not Applicable
 Freezing/Melting Point: Not Applicable
 pH: Not Determined
 Solubility in Water: Not Determined
 Vapor Pressure @ 25°C: Not Determined



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SECTION 4: FIRE AND EXPLOSION HAZARD DATA

| | |
|-----------------------------|---|
| Flash Point: | 212 °F /100 °C (closed cup) |
| Autoignition Temperature: | Not Determined |
| Flammability Limits in Air: | Not Determined |
| Extinguishing Media: | On large fires use dry chemical, foam or water spray. Water can be used to cool fire exposed containers. |
| Fire Fighting Measures: | Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Determine the need to evacuate or isolate the area according to your local emergency plan. |
| Unusual Fire Hazards: | None |

SECTION 5: REACTIVITY DATA

| | |
|---------------------------|---|
| Chemical Stability: | Stable |
| Hazardous Polymerization: | Hazardous polymerization will not occur |
| Conditions to Avoid: | None |
| Materials to Avoid: | Oxidizing material can cause a reaction. |
| Hazardous Decomposition: | Thermal breakdown of this product in a fire may evolve metal oxides, Carbon oxides, Silicone dioxide, Nitrogen oxides, Flourine compounds and Formaldehyde. |



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SECTION 6: RELEASE RESPONSE DATA

Containment/Clean Up: Observe all personal protection equipment recommendations described in Sections 4 and 7. Wipe up or scrape up and collect spilled material for disposal. Collect and contain containers for salvage or disposal. Local, state, and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 11 and 13 of this MSDS provide information regarding certain federal and state requirements.

NOTE: See Section 7 for Personal Protective Equipment for Spills.

SECTION 7: HANDLING PRECAUTIONS

Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Personal Protective Equipment for Routine Handling:

ENGINEERING CONTROLS: Local exhaust and general ventilation are recommended.

RESPIRATORY PROTECTION: If local exhaust and general ventilation are available, respiratory protection should not be needed

EYE AND FACE PROTECTION: Use proper protection - safety glasses as a minimum.

OTHER PROTECTIVE EQUIPMENT: None known.

VENTILATION: Local and general ventilation should be provided.

Personal Protective Equipment for Spills:

ENGINEERING CONTROLS: None known.

RESPIRATORY PROTECTION: If local exhaust and general ventilation are available, respiratory protection should not be needed

PROTECTIVE GLOVES: Chemical protective gloves are recommended. Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse.

EYE AND FACE PROTECTION: Use proper protection - safety glasses as a minimum.

OTHER PROTECTIVE EQUIPMENT: None known.

VENTILATION: Local and general ventilation should be provided.

NOTE: These precautions are for room temperature handling. Use at elevated temperature, may require added precautions.



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SECTION 8: HEALTH DATA

Medical Conditions Aggravated by Exposure: None Known

Routes of Exposure:

Ingestion: Low ingestion hazard in normal use. Overexposure by ingestion may cause drowsiness, confusion or loss of coordination.

Eye Contact: Direct contact may cause redness and discomfort

Skin Contact: No significant irritation expected from a single short-term exposure.

Inhalation: Irritates respiratory passages very slightly – vapor overexposure may cause drowsiness.

Chronic Health Effects: No known applicable information.

Note: If heated in air above 300°F (150°C) this product may form highly toxic vapors of Trifluoropropionaldehyde. At temperatures above 482°F (250°C) gaseous compounds such as Hydrogen Fluoride and perfluorohydrocarbons may be produced. Avoid contamination of tobacco products. Fluoropolymers on tobacco products may cause adverse health effects by inhalation.

When heated above 356°F (180°C) in air, the product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose throat, skin and respiratory system.

SECTION 9: FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes.

Skin Contact: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.

Inhalation: Remove to fresh air – get medical attention if symptoms persist.

Ingestion: Get medical attention.



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SECTION 10: TOXICOLOGICAL INFORMATION

Component Toxicology Information –

Inhalation of fumes from fire decomposition of polytetrafluoroethylene is known to cause polymer fever.

This material may form highly toxic vapors of Trifluoropropionaldehyde if heated in air above 300°F (150°C)

SECTION 11: DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261)

When a decision is made to discard this material, as received, is it classified as a hazardous waste? No

State or local laws may impose additional regulatory requirements regarding disposal.

SECTION 12: TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT

SECTION 13: REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

| Section 302 Extremely Hazardous Substances: | None | | | | | | |
|---|---|-----------------------|------------|-----------------------|----------|------|---------|
| Section 304 CERCLA Hazardous Substances: | <table border="0"> <thead> <tr> <th><u>CAS Number</u></th> <th><u>Wt%</u></th> <th><u>Component Name</u></th> </tr> </thead> <tbody> <tr> <td>100-42-5</td> <td><1.0</td> <td>Styrene</td> </tr> </tbody> </table> | <u>CAS Number</u> | <u>Wt%</u> | <u>Component Name</u> | 100-42-5 | <1.0 | Styrene |
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| 100-42-5 | <1.0 | Styrene | | | | | |

| | | |
|---------------------------|-----------|-----|
| Section 312 Hazard Class: | Acute: | No |
| | Chronic: | Yes |
| | Fire: | No |
| | Pressure: | No |
| | Reactive: | No |

| Section 313 Toxic Chemicals: | <table border="0"> <thead> <tr> <th><u>CAS Number</u></th> <th><u>Wt%</u></th> <th><u>Component Name</u></th> </tr> </thead> <tbody> <tr> <td>100-42-5</td> <td><1.0</td> <td>Styrene</td> </tr> </tbody> </table> | <u>CAS Number</u> | <u>Wt%</u> | <u>Component Name</u> | 100-42-5 | <1.0 | Styrene |
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Supplemental State Compliance Information

California

This product contains the following chemicals listed by the state of California under the Safe Drinking Water and Toxic Enforcement act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known

Massachusetts

| <u>CAS Number</u> | <u>Wt%</u> | <u>Component Name</u> |
|-------------------|------------|-----------------------|
| 100-42-5 | <1.0 | Styrene |

New Jersey

| <u>CAS Number</u> | <u>Wt%</u> | <u>Component Name</u> |
|-------------------|------------|--|
| 68607-77-2 | 40-70 | Trifluoropropylmethyl siloxane, hydroxy terminated |
| 9002-84-0 | 15-40 | Polytetrafluoroethylene |
| 9052-95-3 | 15-40 | Styrene-divinylbenzene-ethylstyrene polymer |
| 68952-02-3 | 10-13 | Methylvinyl, trifluoropropylmethyl siloxane |
| 68909-20-6 | 7-13 | Trimethylated silica |
| 100-42-5 | <1.0 | Styrene |

Pennsylvania

| <u>CAS Number</u> | <u>Wt%</u> | <u>Component Name</u> |
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Special Notes:

Date Prepared: April, 2010

Supersedes:

Document No: SD2700-121 MSDS

Prepared By: Dan Yousett

Revision Information: NA

ABBREVIATIONS:

NA = Not Applicable

NE = Not Established

ND = Not Determined

ppm = Parts per Million

mg/m³ = Milligrams per Cubic Meter

STEL = Short Term Exposure Limit

C = Ceiling Concentration

TWA = Time Weighted Average

This information and recommendations herein is based upon data considered true and accurate. However, Sealing Devices, Inc. makes no warranties, express or implied as to the accuracy or adequacy of the information contained herein or the results to be obtained from the use thereof. This information is offered solely for the user's consideration, investigation and verification. Since the use and conditions of use of this information and material are not within the control of Sealing Devices, Inc., Sealing Devices assumes no responsibility for injury to the user or third persons. The material described herein is sold pursuant to Sealing Devices' Terms and Conditions of Sale, including those limiting warranties and remedies contained therein. It is the responsibility of the user to determine whether any use of this data and information is in accordance with applicable federal, state or local laws and regulations.