

## TREMstop Smoke & Sound Sealant

### A gun grade acrylic latex sealant

#### Product Description

TREMstop Smoke & Sound Sealant is an acrylic latex sealant for use in smoke rated partitions or joints and to prevent sound transmission through unprotected openings.

#### Basic Uses

TREMstop Smoke & Sound Sealant is for both through penetrations and joints in smoke or sound rated partitions.

#### Features and Benefits

TREMstop Smoke & Sound is designed to meet the needs of both smoke and sound rated partitions with one product. It can be painted once dry and is easily cleaned up with soapy water.

#### Packaging

28.7 oz (850 mL) cartridge

#### Color

White

#### Availability

TREMstop Smoke & Sound Sealant is readily available from your local Tremco Distributor or Sales Representative throughout the United States and Canada.

#### Coverage Rates

105 linear feet of joint per 28.7 oz (850 ml) cartridge for a 1/4" x 1/4" joint. For specific coverage rates that include joint size and usage efficiencies, visit our website usage calculator at [www.tremcosealants.com](http://www.tremcosealants.com).

#### Dry Time

At 72°F (22°C), 50% RH, TREMstop Smoke & Sound is tack free in 15 minutes and dries at a rate of about 1/8" per day but can be painted after only 30 to 45 minutes with latexes or oil-based paint. As the temperature decreases, the dry time of TREMstop Smoke & Sound increases, generally one additional day for every 10°F decrease in temperature.

#### Surface Preparations

For good adhesion, the substrate must be sound, clean and dry. Any surface damage, dirt, dust, loose particles or other contaminants that may inhibit adhesion must be removed from the surfaces prior to application of the sealant.

Tremco recommends that surface temperatures be 40°F (5°C) or above at the time the sealant is applied. If sealant must be applied in temperatures below 40°F, please refer to the Tremco Guide for Applying Sealants in Cold Weather that can be found on our web site at [www.tremcosealants.com](http://www.tremcosealants.com).

#### Priming

Priming is not required.

#### Application/Installation

TREMstop Smoke & Sound Sealant is for use in smoke or sound rated partitions. It is easily applied using conventional caulking equipment.

#### Clean Up

Excess sealant and smears can be cleaned up or removed with soapy water before the sealant skins. Any utensils used for tooling can also be cleaned with soapy water.

#### Limitations

- Not for use in fire-rated assemblies.

#### Warranty

Tremco warrants its Firestop Materials to be free of defects, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Firestop Materials. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of the Firestop Materials proved to be defective and Tremco shall not be liable for any loss or damage.

### TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Results
Movement Capability	ASTM C920	+/- 12.5%
VOC Content	EPA Method 310	20 g/L
Shelf Life		Min. 1 year when stored at 40-110°F (5-43°C)
STC	ASTM E-90	Restored to 59 in a U411 wall
pH		7-9
Antifungal		Contains antifungal additive
Peel Strength, pli	ASTM C794	8-14 (substrate dependent)



#### Tremco Commercial Sealants & Waterproofing

3735 Green Road, Beachwood, OH 44122 // Phone: 216.292.5000 // 800.321.7906  
220 Wicksteed Avenue, Toronto, ON M4H 1G7 // Phone: 416.421.3300 // 800.363.3213  
1451 Jacobson Avenue, Ashland OH 44805 // Phone: 419.289.2050 // 800.321.6357

## Tremco Incorporated

3735 Green Road • Beachwood, Ohio 44122 • 216-292-5000



Global Sealants Division



Date: December 2, 2007

Subject: TREMstop Smoke & Sound – LEED™ Product Information

To: Whom It May Concern

"LEED" is a trademark of the  
U.S. Green Building Council

Tremco, as an organization, is committed to quality, responsive to internal and external customers, our employees, our community and environment, and we will treat all with respect and good stewardship.

TREMstop Smoke & Sound is manufactured in Toronto, Ontario, Canada. If Toronto falls within a 500-mile radius of the project site, the product is considered to be a locally produced material and can help contribute to earning Materials & Resources Credit.

No single extracted material is used to produce the majority of this product. Additionally, all raw materials come from one of several sources which in-turn come from one of several raw material feed stocks. As such, point source for the raw materials cannot be determined.

The following information regarding the recycled content of TREMstop Smoke & Sound is provided to assist in the LEED submittal process:

850 ml ctg. (1 case)	.03% (All Post Consumer)
66 cases (1 Pallet)	2.14% (.03% Post Consumer, 2.11% Post Industrial)
5 gallon pail	0%
36 x 5 gallon pail (1 Pallet)	2.15% (All Post Industrial)

TREMstop Smoke & Sound contains less than 20 g/L volatile organic content (VOC) and therefore satisfies the LEED™ criteria for Indoor Environmental Quality.

If you have any further questions, please contact Tremco Technical Services.

Sincerely,

Michael Schmeida  
LEED Accredited Professional

**TREMFLEX 834 SMOKE&SOUND WHITE-12 QT CTG**

 Version 1.2  
 REVISION DATE: 07/24/2007

Print Date 07/25/2007

**SECTION 1 - PRODUCT IDENTIFICATION**

Trade name : TREMFLEX 834 SMOKE&SOUND WHITE-12 QT CTG  
 Product code : 907806 333

COMPANY : Tremco Incorporated  
 3735 Green Road  
 Cleveland, OH 44122

Telephone : (216) 292-5000 8:30 - 5:00 EST  
 Emergency Phone: : (216) 765-6727 8:30 - 5:00 EST  
 After Hours: Chemtrec 1-800-424-9300

Product use : Sealant

**SECTION 2 - HAZARDS IDENTIFICATION**
**Emergency Overview**

White. Paste. May cause slight irritation to the respiratory system. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

**Acute Potential Health Effects/ Routes of Entry**

Inhalation : May cause slight irritation to the respiratory system.  
 Eyes : Slightly irritating.  
 Ingestion : May cause irritation to the mouth, throat and stomach.  
 Skin : Irritant effect may be delayed.

**Aggravated Medical Conditions**

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

**Chronic Health Effects**

Inhalation of crystalline silica (quartz) can cause cancer based on animal data, and IARC concludes sufficient evidence in humans (Group 1). Prolonged and repeated overexposure to free crystalline silica dust above the TLV level may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis may result from breathing free silica. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

**SECTION 3 - PRODUCT COMPOSITION**

Chemical Name	CAS-No.	Weight %
Calcium Carbonate (Limestone)	1317-65-3	40.0 - 70.0
Acrylic Polymer	NJ TSRN# 51721300-5816P	15.0 - 40.0
Water	7732-18-5	15.0 - 40.0
Dipropylene glycol dibenzoate	27138-31-4	5.0 - 10.0
White mineral oil	8042-47-5	3.0 - 7.0
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	<1.0
Chlorothalonil	1897-45-6	<1.0
Formaldehyde	50-00-0	<0.1

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**SECTION 4 - FIRST AID MEASURES**

Get immediate medical attention for any significant overexposure.

- Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
- Eye contact : Flush with water for 15 minutes. If irritation persists, get medical attention.
- Skin contact : Wash with water. If irritation, rash or other disorders develop, get medical attention immediately.
- Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

**SECTION 5 - FIRE FIGHTING MEASURES**

- Flash point : Not available.
- Method : Not available.
- Burning rate : Non-flammable solid
- Lower explosion limit : Not available.
- Upper explosion limit : Not available.
- Autoignition temperature : Not available.
- Extinguishing media : This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
- Hazardous combustion products : Smoke, fumes.
- Protective equipment for firefighters : Not applicable. Product is not expected to burn.
- Fire and explosion conditions : This product not expected to ignite under normal conditions of use.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Use appropriate protective equipment. Avoid contact with material. Scrape up and transfer to appropriate container for disposal. Keep out of water courses.

**SECTION 7 - HANDLING AND STORAGE**

Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not use in confined or poorly ventilated areas. Store in sealed containers in a dry, ventilated warehouse location above freezing.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal protection equipment**

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- Respiratory protection : Not required under normal conditions of use.
- Hand protection : Protect hands with impervious gloves.
- Eye protection : Use safety glasses if eye contact is likely.
- Protective measures : Use professional judgment in the selection, care, and use. Other equipment not normally required.
- Engineering measures : General ventilation is sufficient. Use local exhaust when the general ventilation is inadequate.

**Exposure Limits**

Chemical Name	CAS Number	Regulation	Limit	Form
Calcium Carbonate (Limestone)	1317-65-3	OSHA PEL:	5 mg/m3	Respirable fraction.
		OSHA PEL:	15 mg/m3	Total dust.
		ACGIH TWA:	3 mg/m3	Respirable particles.
		ACGIH TWA:	10 mg/m3	Inhalable particles.
		OSHA TWA:	15 mg/m3	Total dust.
		OSHA TWA:	5 mg/m3	Respirable fraction.
Crystalline Silica (Quartz)/ Silica Sand	14808-60-7	OSHA TWA:	0.1 mg/m3	Respirable.
		OSHA TWA:	0.3 mg/m3	Total dust.
		OSHA PEL:	15 mg/m3	Total dust.
		OSHA PEL:	5 mg/m3	Respirable fraction.
		ACGIH TWA:	0.025 mg/m3	Respirable fraction.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- Form : Paste
- Color : White
- Odor : Acrylate
- pH : Not available.
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Miscible
- Specific Gravity : 1.35
- % Volatile Weight : 16 %

**SECTION 10 - REACTIVITY / STABILITY**

- Substances to avoid : Oxidizing agents. Strong acids. Strong bases.

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**SECTION 11 - TOXICOLOGICAL INFORMATION**

Chlorothalonil, CAS-No.: 1897-45-6  
 Acute oral toxicity (LD-50 oral) 10,000 mg/kg ( Rat )  
 Acute dermal toxicity (LD-50 dermal) 10,000 mg/kg ( Albino rat )

Formaldehyde, CAS-No.: 50-00-0  
 Acute oral toxicity (LD-50 oral) 800 mg/kg ( Rat ) 260 mg/kg ( Guinea pig ) 100 mg/kg ( Rat )  
 42 mg/kg ( Mouse )  
 Acute inhalation toxicity (LC-50) 0.82 mg/l for 30 min ( Rat ) 0.48 mg/l for 4 h ( Rat ) 0.414 mg/l for 4 h ( Mouse ) 0.4 mg/l for 2 h ( Mouse )

**SECTION 12 - ECOLOGICAL INFORMATION**

No Data Available

**SECTION 13 - DISPOSAL CONSIDERATIONS**

Disposal Method : Waste not regulated under RCRA. Incinerate at EPA approved facility or dispose of waste in compliance with state and local regulations.

**SECTION 14 - TRANSPORTATION / SHIPPING DATA**

**TDG / DOT Shipping Description:**  
 NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION****North American Inventories:**

All components are listed or exempt from the TSCA inventory.  
 One or more components are listed on the NDSL.

**U.S. Federal Regulations:**

SARA 313 Components : Chlorothalonil 1897-45-6  
 SARA 311/312 Hazards : Acute Health Hazard  
 Chronic Health Hazard

## OSHA Hazardous Components :

Calcium Carbonate (Limestone) 1317-65-3  
 Crystalline Silica (Quartz)/ Silica Sand 14808-60-7  
 Chlorothalonil 1897-45-6  
 Formaldehyde 50-00-0

OSHA Status: Considered : Irritant  
 hazardous based on the Carcinogen  
 following criteria:

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OSHA Flammability : Not Regulated

Regulatory VOC (less water and exempt solvent) : 22 g/l

VOC Method 310 : 1 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

Crystalline Silica (Quartz)/ Silica Sand 14808-60-7

**U.S. State Regulations:**

MASS RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7
		Formaldehyde	50-00-0
Penn RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Acrylic Polymer	NJ TSRN# 51721300-5816P
		Water	7732-18-5
		Dipropylene glycol dibenzoate	27138-31-4
		White mineral oil	8042-47-5
		Formaldehyde	50-00-0
NJ RTK Components	:	Calcium Carbonate (Limestone)	1317-65-3
		Acrylic Polymer	NJ TSRN# 51721300-5816P
		Water	7732-18-5
		Dipropylene glycol dibenzoate	27138-31-4
		White mineral oil	8042-47-5
		Crystalline Silica (Quartz)/ Silica Sand	14808-60-7

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

14808-60-7	Crystalline Silica (Quartz)/ Silica Sand
1897-45-6	Chlorothalonil
50-00-0	Formaldehyde
64-17-5	Ethyl alcohol

**SECTION 16 - OTHER INFORMATION**

**HMIS Rating :**

Health	2
Flammability	1
Reactivity	0
PPE	

0 = Minimum  
 1 = Slight  
 2 = Moderate  
 3 = Serious  
 4 = Severe

**Further information:**

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

**Prepared by: Rich Mikol**



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**Legend**

ACGIH - American Conference of Governmental Hygienists  
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act  
DOT - Department of Transportation  
DSL - Domestic Substance List  
EPA - Environmental Protection Agency  
HMIS - Hazardous Materials Information System  
IARC - International Agency for Research on Cancer  
MSHA - Mine Safety Health Administration  
NDSL - Non-Domestic Substance List  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit  
RCRA - Resource Conservation and Recovery Act  
RTK - Right To Know  
SARA - Superfund Amendments and Reauthorization Act  
STEL - Short Term Exposure Limit  
TLV - Threshold Limit Value  
TSCA - Toxic Substances Control Act  
TWA - Time Weighted Average  
V - Volume  
VOC - Volatile Organic Compound  
WHMIS - Workplace Hazardous Materials Information System