



GENERAL CONTRACTOR

... BUILDING PEOPLE WHO BUILD GREAT THINGS

March 4, 2014

City of Wenatchee  
201 N. Worthen Street  
Wenatchee, WA 98801

**Wenatchee Wastewater Treatment Plant Improvements**

**Re: O&M Manual for Specification Section 07840 – Firestopping**

Apollo, Inc. states that all fire-rated penetrations have been sealed using products specified in accordance with UL requirements for required rating.

Sincerely,

A handwritten signature in blue ink that reads "Amy Jenne".

Amy Jenne  
Vice President

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1133 West Columbia Drive ■ P O Box 7305 ■ Kennewick, WA 99336

Phone (509) 586-1104 ■ Fax (509) 585-3686

[www.apollo-gc.com](http://www.apollo-gc.com)

WA Reg. No. APOLLI\*061KB ■ OR Reg. No. 117497 ■ MT Reg. No. 146718

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# 3M™ Fire Barrier Silicone Sealant 2000+

## Product Data Sheet

**1. Product Description** 3M™ Fire Barrier Silicone Sealant 2000+ is a ready-to-use, gun-grade, one-component silicone elastomer that cures upon exposure to atmospheric humidity to form a flexible firestop seal. 3M™ Fire Barrier Silicone Sealant 2000+ helps control the spread of fire, smoke and noxious gasses before, during and after exposure to a fire when installed in accordance with a listed through penetration or fire-resistive joint assembly.

3M™ Fire Barrier Silicone Sealant 2000+ firestops dynamic construction joints, blank openings and penetrations passing through fire-rated floor, floor/ceiling or wall assemblies and other fire-rated interior building construction. The sealant remains elastomeric, bonds to most common construction materials and exhibits excellent weatherability during construction. No mixing is required.



Available in: ■ Light Gray

### Product Features

- Firestop tested up to 4 hours in accordance with ASTM E 814 (UL 1479) & CAN/ULC S115
- Fire Resistance tested for construction joint systems in accordance with ASTM E 1966 (UL 2079)
- Class 25 sealant, per ASTM C 920
- Compression/extension capability of  $\pm 13\%$
- Applied with conventional caulking equipment — excellent caulk rate
- Excellent weatherability upon cure
- Excellent adhesion
- Re-enterable/repairable

Compression/extension capabilities for dynamic joint applications

*Meets the intent of LEED® VOC environmental quality requirements—helps reduce the quantity of indoor air contaminants that may be odorous, irritating and harmful to the comfort and well-being of the installers and occupants.*  
*Minimizes noise transfer — STC-Rating of 56 when tested in STC 56-rated wall assembly.*

<b>FIRE BARRIER</b> UP TO <b>4 HOUR</b> Fire Protection	<b>SMOKE SEAL</b> <b>L RATED</b> Meets Air Leakage Requirements
<b>SOUND BARRIER</b> <b>STC 56</b> In STC 56-rated Wall Assembly	<b>ELASTOMERIC</b> <b><math>\pm 13\%</math></b> Movement Capability

**CLASSIFIED**  
**UL**  
FILL VOID OR CAVITY MATERIAL FOR USE IN JOINT SYSTEMS AND THROUGH-PENETRATION FIRESTOP SYSTEMS SEE UL FIRE RESISTANCE DIRECTORY 9099

**LISTED**  
**Intertek**  
FIRESTOP SYSTEMS SEE INTERTEK DIRECTORY

**LISTED**  
**ULC**  
FILL VOID OR CAVITY MATERIALS 9099

## 2. Applications

3M™ Fire Barrier Silicone Sealant 2000+ is a flexible firestop ideal for sealing dynamic joints in fire-rated construction. In addition, 3M™ Fire Barrier Silicone Sealant 2000+ is used in mechanical, electrical and plumbing applications to firestop openings and penetrations through fire-rated floor or wall assemblies. Typical penetrants include: metallic pipe, conduit, power and communication cable and telephone or electrical wiring. 3M™ Fire Barrier Silicone Sealant 2000+ is also used to firestop blank openings and static construction joints.

## 3. Specifications

3M™ Fire Barrier Silicone Sealant 2000+ shall be a one-component, ready-to-use, gun-grade silicone elastomer. The sealant shall be listed by independent test agencies such as Intertek or UL. 3M™ Fire Barrier Sealant 2000+ shall be tested to and pass the criteria of ASTM E 814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems, ASTM E 1966 (UL 2079) Standard Test Method for Fire Resistive Joint Systems and CAN/ULC S115 Standard Method of Fire Tests of Firestop Systems. 3M™ Fire Barrier Sealant 2000+ shall meet the requirements of the IBC, IRC, IFC, IPC, IMC, NFPA 5000, NEC (NFPA 70) and NFPA 101.

### Typically Specified Divisions

Division 7  
Section 07 84 00 – Firestopping

### Related Sections

Section 07 84 16 — Annular Space Protection  
 Section 07 84 43 — Fire-Resistant Joint Sealants  
 Section 07 86 00 — Smoke Seals  
 Section 07 87 00 — Smoke Containment Barriers  
 Section 07 92 13 — Elastomeric Joint Sealants  
 Section 07 92 19 — Acoustical Joint Sealants  
 Section 07 27 00 — Thermal and Moisture Protection Firestopping  
 Section 21 00 00 — Air Barriers  
 Section 22 00 00 — Plumbing  
 Section 26 00 00 — Electrical



## 4. Performance & Typical Physical Properties

<b>Colors Available:</b>	Light Gray	<b>Extension/compression capability:</b>	± 13%
<b>Application Temperature Range:</b>	-20° to 122°F (-29° to 50°C)	<b>Hardness (ASTM D 2240 Shore A):</b>	40
<b>Service Temperature Range:</b>	-40° to 302°F (-40° to 150°C)	<b>Tensile Strength:</b>	350 psi (0.59 MPa)
<b>STC (ASTM E 90 and ASTM E 413):</b>	56 when tested in STC 56 rated wall assembly	<b>VOC Less H<sub>2</sub>O and Exempt Solvents</b>	<32 g/L
<b>Surface Burning (ASTM E 84):</b>	Flame Spread 0, Smoke Development 0	<b>Elongation at Break (ASTM D 412):</b>	500%

Volume: 10.3 fl. oz tube (304.8cc, 18.6 in.), 4.5 gal. pail (17,034.4cc, 1,039.5 in.)

**Cure:** Under typical cure rate conditions of 75°F (23°C) and 50% R.H., sealant becomes tack-free in about 90 minutes. Full cure depends upon ambient conditions and volume of sealant. Typical cure rate is approximately 1/8 inch (3.18mm) per day.

## 5. Packaging, Storage, Shelf Life

<b>Packaging:</b>	Product packaged in cartridge or pail is enclosed in HDPE plastic containers.
<b>Storage:</b>	3M™ Fire Barrier Silicone Sealant 2000+ should be stored indoors in dry conditions between 40°F and 90°F (4°C and 32°C). Avoid repeated freeze / thaw exposures of the 3M™ Fire Barrier Silicone Sealant 2000+ while still in the packaging.
<b>Shelf Life:</b>	Shelf life of 18 months from date of packaging when stored below 90°F (32°C) in original, unopened containers.

## 6. Installation Techniques

*Consult a 3M Authorized Fire Protection Products Distributor / Dealer or Sales Representative for Applicable UL, Intertek or other third-party drawings and system details.*

**Preparatory Work:** The surface of the opening and any penetrating items should be cleaned to allow for the proper adhesion of the 3M™ Fire Barrier Silicone Sealant 2000+. Do not use alcohol to clean surfaces (recommended cleaning solvents are mineral spirits, xylene, toluene or methyl ethyl ketone (MEK). Ensure that the surface of the substrates are not wet and are frost free. Sealant can be installed with a standard caulking gun, pneumatic pumping equipment or it can be easily applied with a putty knife or trowel.

**Installation Details:** Install the applicable depth of backing material, if required, as detailed within the applicable UL, Intertek or other third-party listed system. Cut the end of the tube spout to achieve the desired bead width when applying. Install the applicable depth of 3M™ Fire Barrier Silicone Sealant 2000+ into the opening flush with the surface of the substrate, or as detailed within the applicable listed system, at the depth for the assembly and rating that is required. Tool within 5 minutes. Clean all tools immediately after use with mineral spirits, xylene, toluene or methyl ethyl ketone (MEK).

**Limitations:** Do not apply 3M™ Fire Barrier Silicone Sealant 2000+ under the following conditions: when surrounding temperature is greater than 122°F (50°C), when surfaces are wet or frost-coated, in unvented spaces where sealant is not exposed to atmospheric moisture, in areas where abrasion or physical abuse of the sealant are likely and/or where painting of sealant is required (Note: once applied, sealant may be exposed to intermittent water — exhibits excellent weatherability when fully cured). Do not apply 3M™ Fire Barrier Silicone Sealant 2000+ to polycarbonates or to building materials that bleed oil, plasticizers or solvent (e.g. impregnated wood, oil-based sealants, or green or partially vulcanized rubber).

**Note:** In confined cure conditions, there may be discoloration of brass, copper or other sensitive metals.

## 7. Maintenance

No maintenance is expected when installed in accordance with the applicable third-party listed system. Once installed, if any section of the 3M™ Fire Barrier Silicone Sealant 2000+ is damaged, the following procedure will apply: remove and reinstall the damaged section in accordance with the applicable listed system, with a minimum 1/2 in. (12.7mm) overlap onto the adjacent material.

## 8. Availability

3M™ Fire Barrier Silicone Sealant 2000+ is available from 3M Authorized Fire Protection Products Distributors and Dealers in the following sizes: 10.3 fl. oz. cartridges (12/case) and 4.5 gallon pails (1/case). For additional technical and purchasing information regarding this and other 3M Fire Protection Products, please call: 1-800-328-1687 or visit [www.3M.com/firestop](http://www.3M.com/firestop).

## 9. Safe Handling Information

*Consult product Material Safety Data Sheet (MSDS) prior to handling and disposal.*



### Building and Commercial Services Division

3M Center, Building 223-2N-21  
St. Paul, MN 55144-1000 USA  
1-800-328-1687  
[www.3M.com/firestop](http://www.3M.com/firestop)

#### Important Notice to User:

**Technical Information:** The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed. **Product Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application. **Warranty and Limited Remedy:** 3M warrants that each 3M Fire Protection Product will be free from defects in material and manufacture for 90 days from the date of purchase from 3M's authorized distributor. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price. **Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.

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# Certificate of Compliance

Certificate Number **20110819-R9700F**  
Report Reference **2011 August 19**  
Issue Date **2011 August 19**

Page 1 of 2



**Issued to:** 3M Company

3M Center  
St Paul, MN 55144

*This is to certify that  
representative samples of*

**Fill, Void or Cavity Materials**

Fire Barrier 2000+ Caulk  
(Manufactured in United States of America)

SEE ADDENDUM PAGE 2

*Have been investigated by Underwriters Laboratories Inc.® (UL) or any authorized licensee of UL in accordance with the Standard(s) indicated on this Certificate.*

**Standard(s) for Safety:**

ANSI/UL 1479, "Fire Tests of Through-Penetration Firestops,"  
ANSI/UL 2079, "Tests for Fire Resistance of Building Joint Systems"

**Additional Information:**

See UL On-Line Certification Directory at [www.UL.com](http://www.UL.com) for additional information.

**Only those products bearing the UL Classification Mark should be considered as being covered by UL's Classification and Follow-Up Service.**

The UL Classification Mark includes: UL in a circle symbol:  with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and, the product category name (product identity) as indicated in the appropriate UL Directory.

**Look for the UL Classification Mark on the product**

**William R. Carney**

**Director, North American Certification Programs**

Underwriters Laboratories Inc.

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# Certificate of Compliance

Certificate Number **20110819-R9700F**  
Report Reference **2011 August 19**  
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This is to verify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

FB-2000+ Caulk for use in Joint System Nos. BW-S-0007, FF-D-0011, FF-D-1004, FF-S-0001, FF-S-1001, FF-S-1003, FW-D-0007, FW-D-1009, HW-D-0060, HW-D-0061, HW-D-0075, HW-D-0118, HW-D-0119, HW-D-0120, HW-D-1007, HW-D-1011, HW-D-1012, HW-D-1020, HW-S-0002, HW-S-0005, HW-S-0007, WW-D-0013, WW-D-1010, WW-S-0001, WW-S-0004, WW-S-1001 and WW-S-1003.

FB-2000+ Caulk for use in Through-Penetration Firestop System Nos. C-AJ-0008, C-AJ-0043, C-AJ-1009, C-AJ-1013, C-AJ-1014, C-AJ-1058, C-AJ-1188, C-AJ-2019, C-AJ-2204, C-AJ-3029, C-AJ-3041, C-AJ-5009, C-AJ-5041, C-AJ-5074, C-AJ-6002, C-AJ-8003, F-C-1003, F-C-3002, W-L-1009, W-L-1010, W-L-1082, W-L-3009, W-L-3041, W-L-5032 and W-L-6022.

**William R. Carney**

**Director, North American Certification Programs**

Underwriters Laboratories Inc.

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## Material Safety Data Sheet

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 3M Fire Barrier 2000+ Premium Silicone Sealant  
**MANUFACTURER:** 3M  
**DIVISION:** Building & Commercial Services Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000

**EMERGENCY PHONE: 1-800-364-3577 or (651) 737-6501 (24 hours)**

**Issue Date:** 02/04/13  
**Supersedes Date:** 02/04/13

**Document Group:** 06-8466-2

#### Product Use:

**Intended Use:** A FIRE STOPPING SEALANT FOR FIRE RATED WALL AND FLOOR PENETRATION AND JOINTS.  
**Specific Use:** FIRE STOP MATERIAL

### SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
Polysiloxane	Trade Secret	30 - 60
CALCIUM CARBONATE	471-34-1	30 - 60
Dimethyl Siloxane, Dimethylvinylsiloxy-terminated	68083-19-2	5 - 10
METHYLTRIMETHOXSILANE	1185-55-3	3 - 7
STEARIC ACID	57-11-4	1 - 5

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** Paste  
**Odor, Color, Grade:** Gray silicone sealant paste with alcoholic odor.  
**General Physical Form:** Solid  
**Immediate health, physical, and environmental hazards:**

#### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

**Skin Contact:**

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, and itching.

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

**Ingestion:**

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

## SECTION 4: FIRST AID MEASURES

### 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1 FLAMMABLE PROPERTIES

Autoignition temperature	<i>No Data Available</i>
Flash Point	No flash point
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
OSHA Flammability Classification:	Not Applicable

### 5.2 EXTINGUISHING MEDIA

Non-combustible. Choose material suitable for surrounding fire.

### 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Nonflammable. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Not applicable. No unusual fire or explosion hazards are anticipated.

**Note:** See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

## 6.2. Environmental precautions

Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

## Clean-up methods

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Collect as much of the spilled material as possible. Clean up residue.

**In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.**

## SECTION 7: HANDLING AND STORAGE

### 7.1 HANDLING

Keep out of the reach of children. Avoid breathing of vapors created during cure cycle. Avoid prolonged or repeated skin contact. Avoid eye contact. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

### 7.2 STORAGE

Keep container tightly closed. Store under normal warehouse conditions.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control mist, vapor, or spray. If ventilation is not adequate, use respiratory protection equipment.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Safety Glasses with side shields

#### 8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves not normally required.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Neoprene  
Nitrile Rubber

#### 8.2.3 Respiratory Protection

Avoid breathing of vapors created during cure cycle.

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full

respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapors

For questions about suitability for a specific application, consult with your respirator manufacturer.

**8.2.4 Prevention of Swallowing**

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

**8.3 EXPOSURE GUIDELINES**

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
CALCIUM CARBONATE	CMRG	TWA	10 mg/m3	
CALCIUM CARBONATE	CMRG	STEL	20 mg/m3	
Limestone	OSHA	TWA, respirable fraction	5 mg/m3	
Limestone	OSHA	TWA, as total dust	15 mg/m3	
METHYLTRIMETHOXY SILANE	CMRG	TWA	50 ppm	
STEARATES	ACGIH	TWA	10 mg/m3	

**SOURCE OF EXPOSURE LIMIT DATA:**

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Physical Form:</b>	Paste
<b>Odor, Color, Grade:</b>	Gray silicone sealant paste with alcoholic odor.
<b>General Physical Form:</b>	Solid
<b>Autoignition temperature</b>	<i>No Data Available</i>
<b>Flash Point</b>	No flash point
<b>Flammable Limits(LEL)</b>	<i>Not Applicable</i>
<b>Flammable Limits(UEL)</b>	<i>Not Applicable</i>
<b>Boiling Point</b>	<i>Not Applicable</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	1.34 [Ref Std: WATER=1] [Details: CONDITIONS: @ 25C]
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>No Data Available</i>
<b>Solubility In Water</b>	<i>No Data Available</i>
<b>Evaporation rate</b>	<i>No Data Available</i>
<b>Kow - Oct/Water partition coef</b>	<i>No Data Available</i>
<b>VOC Less H2O &amp; Exempt Solvents</b>	31 g/l
<b>Viscosity</b>	<i>No Data Available</i>

**SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable.

**Materials and Conditions to Avoid:**

**10.1 Conditions to avoid**

None known

**10.2 Materials to avoid**

None known

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition or By-Products**

**Substance**

Carbon monoxide  
Carbon dioxide

**Condition**

Not Specified  
Not Specified

**Hazardous Decomposition:** THERMAL BREAKDOWN OF THIS PRODUCT DURING FIRE OR VERY HIGH HEAT CONDITIONS MAY EVOLVE THE FOLLOWING HAZARDOUS DECOMPOSITION PRODUCTS: SILICONE DIOXIDE; CARBON OXIDES AND TRACES OF INCOMPLETELY BURNED CARBON COMPOUNDS; METAL OXIDES; SULFUR OXIDES; AND FORMALDEHYDE.

**SECTION 11: TOXICOLOGICAL INFORMATION**

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION**

Not determined.

**CHEMICAL FATE INFORMATION**

Not determined.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** For quantities <100 lbs. (50kg): dispose of waste product in a sanitary landfill. For larger quantities: incinerate in an industrial or commercial facility in the presence of a combustible material.

**EPA Hazardous Waste Number (RCRA):** Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

**SECTION 14: TRANSPORT INFORMATION**

**ID Number(s):**

98-0400-5299-9, 98-0400-5300-5

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

#### 311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

### STATE REGULATIONS

### CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

### INTERNATIONAL REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## SECTION 16: OTHER INFORMATION

### NFPA Hazard Classification

Health: 1 Flammability: 1 Reactivity: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

### HMIS Hazard Classification

Health: 1 Flammability: 1 Reactivity: 0 Protection: A

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

### Revision Changes:

Section 2: Ingredient table was modified.

Section 7: Handling information was modified.

Section 8: Engineering controls information was modified.

Section 8: Skin protection - recommended gloves information was added.

Section 8: Respiratory protection - recommended respirators information was modified.

Section 8: Skin protection - recommended gloves text was added.

Section 8: Respiratory protection - recommended respirators was modified.

Section 8: Respiratory protection - recommended respirators guide was modified.

Section 8: Skin protection - protective clothing text was added.

Section 8: Respiratory protection - recommended respirators punctuation was deleted.

Section 8: Skin protection - recommended gloves - punctuation was added.

Section 2: Ingredient table was modified.

Section 8: Exposure guidelines ingredient information was modified.

Section 6: Methods for cleaning up information was modified.  
Copyright was modified.

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