

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
55144-1000  
1-800-364-3577 or (651) 737-6501 (24 hours)

Copyright, 2000, Minnesota Mining and Manufacturing Company.  
All rights reserved. Copying and/or downloading of this  
information for the purpose of properly utilizing 3M products  
is allowed provided that:

- 1) the information is copied in full with no changes unless  
prior agreement is obtained from 3M, and
- 2) neither the copy nor the original is resold or otherwise  
distributed with the intention of earning a profit thereon.

DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

COLD SHRINK 5600 SERIES QTII SILICONE TERMINATION KITS

ID NUMBER/U.P.C.:

|                |                  |                |                  |
|----------------|------------------|----------------|------------------|
| 80-0080-0657-1 | 00-54007-08334-4 | 80-0080-0769-4 | 00-54007-09075-5 |
| 80-0080-0770-2 | 00-54007-09076-2 | 80-0080-0771-0 | 00-54007-09077-9 |
| 80-0080-0772-8 | 00-54007-09078-6 | 80-0080-0773-6 | 00-54007-09079-3 |
| 80-6100-9980-8 | 00-54007-02422-4 | 80-6100-9983-2 | 00-54007-13544-9 |
| 80-6101-5461-1 | 00-54007-02427-9 | 80-6101-5462-9 | 00-54007-02422-4 |
| 80-6101-5463-7 | 00-54007-02423-1 | 80-6101-5464-5 | 00-54007-02424-8 |
| 80-6101-5465-2 | 00-54007-13544-9 | 80-6101-5466-0 | 00-54007-13550-0 |
| 80-6101-5467-8 | 00-54007-13563-0 | 80-6101-5471-0 | 00-54007-11881-7 |
| 80-6101-5472-8 | 00-54007-08334-4 | 80-6101-5473-6 | 00-54007-11882-4 |
| 80-6101-5474-4 | 00-54007-11884-8 | 80-6101-5475-1 | 00-54007-11885-5 |
| 80-6101-5478-5 | 00-54007-08002-2 | 80-6101-5479-3 | 00-54007-11888-6 |
| 80-6101-5482-7 | 00-54007-11890-9 | 80-6101-5483-5 | 00-54007-11893-0 |
| 80-6101-5486-8 | 00-54007-11896-1 | 80-6101-5489-2 | 00-54007-11897-8 |
| 80-6101-5506-3 | 00-54007-31989-4 | 80-6102-5321-5 | 00-54007-09168-4 |
| 80-6103-2421-4 | 00-54007-09800-3 | 80-6103-2422-2 | 00-54007-09801-0 |
| 80-6105-3085-1 | 00-54007-09970-3 | 80-6105-3086-9 | 00-54007-09971-0 |
| 80-6105-3325-1 | 00-54007-69771-8 | 80-6105-3326-9 | 00-54007-69772-5 |
| 80-6105-3327-7 | 00-54007-69773-2 | 80-6105-3328-5 | 00-54007-69774-9 |
| 80-6105-3329-3 | 00-54007-69775-6 | 80-6105-3330-1 | 00-54007-69776-3 |
| 80-6105-3331-9 | 00-54007-69777-0 | 80-6105-3332-7 | 00-54007-69778-7 |
| 80-6105-9009-5 | 00-54007-70497-3 | 80-6105-9010-3 | 00-54007-70498-0 |
| 80-6105-9011-1 | 00-54007-70499-7 | 80-6107-3355-4 | 00-54007-50409-2 |
| 80-6107-3356-2 | 00-54007-50410-8 | 80-6107-3357-0 | 00-54007-50411-5 |
| 80-6107-3358-8 | 00-54007-50412-2 | 80-6107-3582-3 | 00-54007-50543-3 |
| 80-6107-3583-1 | 00-54007-50544-0 | 80-6107-3730-8 | 00-54007-50691-1 |
| 80-6107-3731-6 | 00-54007-50692-8 | 80-6107-3732-4 | 00-54007-50693-5 |
| 80-6107-3733-2 | 00-54007-50694-2 | 80-6107-3734-0 | 00-54007-50695-9 |
| 80-6107-3735-7 | 00-54007-50696-6 | 80-6107-3736-5 | 00-54007-50697-3 |
| 80-6107-3737-3 | 00-54007-50698-0 | 80-6107-3795-1 | 00-54007-50755-0 |
| 80-6108-3136-6 | 00-54007-41516-9 | 80-6108-3333-9 | 00-54007-41710-1 |
| 80-6108-3336-2 | 00-54007-41713-2 | 80-6108-3457-6 | 00-54007-41808-5 |
| 80-6108-3477-4 | 00-54007-41827-6 | 80-6108-3561-5 | 00-54007-41908-2 |
| 80-6108-3581-3 | 00-54007-41928-0 | 80-6108-3674-6 | 00-54007-42017-0 |
| 80-6108-3702-5 | 00-54007-42041-5 | 80-6109-7144-4 | 00-54007-44298-1 |
| 80-6109-7484-4 | 00-54007-43385-9 | 80-6109-8757-2 | 00-54007-04646-2 |
| 80-6109-8944-6 | 00-54007-04827-5 | 80-6112-0255-9 | 00-54007-43655-3 |
| 80-6112-1143-6 | -                | -              | -                |

ISSUED: June 27, 2000

-----  
Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

-----  
HEADING (continued)  
-----

SUPERSEDES: June 25, 1999  
DOCUMENT: 10-5652-2

This product is a kit or a multipart product which consists of multiple, independently packaged components. An MSDS for each of these components is included. Please do not separate the component MSDSs from this cover page. The document numbers of the MSDSs for components of this product are:  
10-2656-6

-----  
Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately  
-----

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.



## Material Safety Data Sheet

Copyright, 2005, 3M Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SILICONE LUBRICANT  
**MANUFACTURER:** 3M  
**DIVISION:** Electrical Markets Division

**ADDRESS:** 3M Center  
St. Paul, MN 55144-1000

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

**Issue Date:** 12/23/2005  
**Supersedes Date:** 11/01/2005

**Document Group:** 10-2656-6

**Product Use:**

Specific Use: SILICONE LUBRICANT GREASE FOR ELECTRICAL SPLICES

### SECTION 2: INGREDIENTS

| <u>Ingredient</u>                                   | <u>C.A.S. No.</u> | <u>% by Wt</u> |
|---|-------------------|----------------|
| SILICONE GREASE                                     | 63148-62-9        | 85 - 95        |
| SYNTHETIC AMORPHOUS SILICA, FUMED, CRYSTALLINE FREE | 112945-52-5       | 5 - 15         |

### SECTION 3: HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY OVERVIEW

**Specific Physical Form:** MITS data: GREASE

**Odor, Color, Grade:** Light colored grease, no odor

**General Physical Form:** Solid grease

**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:**

Contact with the skin during product use is not expected to result in significant irritation.

**Inhalation:**

No health effects are expected.

**Ingestion:**

No health effects are expected.

**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:** No need for first aid is anticipated.

**If Swallowed:** No need for first aid is anticipated.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 FLAMMABLE PROPERTIES**

|                          |                          |
|--------------------------|--------------------------|
| Autoignition temperature | <i>No Data Available</i> |
| Flash Point              | <i>Not Applicable</i>    |
| Flammable Limits - LEL   | <i>No Data Available</i> |
| Flammable Limits - UEL   | <i>No Data Available</i> |

**5.2 EXTINGUISHING MEDIA**

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

**5.3 PROTECTION OF FIRE FIGHTERS**

**Special Fire Fighting Procedures:** 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. Non-flammable: ordinary combustible material.

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

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** 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 with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in a closed container approved for transportation by appropriate authorities.

**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

Avoid eye contact with vapors, mists, or spray. For industrial use only. Not intended for use as a medical device or drug. Avoid contact with oxidizing agents. Do not mix with oxidizers to avoid risk of explosion.

### 7.2 STORAGE

Store away from acids. Store away from oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 ENGINEERING CONTROLS

Not applicable. Provide appropriate local exhaust when product is heated.

### 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### 8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.

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

#### 8.2.2 Skin Protection

Gloves are not required.

#### 8.2.3 Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

#### 8.2.4 Prevention of Swallowing

Not applicable.

### 8.3 EXPOSURE GUIDELINES

None Established

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Specific Physical Form:**

**Odor, Color, Grade:**

**General Physical Form:**

MITs data: GREASE

Light colored grease, no odor

Solid grease

|                                |  |
|--------------------------------|--|
| Autoignition temperature       | No Data Available  |
| Flash Point                    | Not Applicable   |
| Flammable Limits - LEL         | No Data Available  |
| Flammable Limits - UEL         | No Data Available  |
| Boiling point                  | Not Applicable   |
| Vapor Density                  | Not Applicable   |
| Vapor Pressure                 | Not Applicable   |
| Specific Gravity               | 1.02 Units not avail. or not appl. - 1.6 Units not avail. or not appl.<br>[Ref Std: WATER=1] |
| pH                             | Not Applicable   |
| Melting point                  | No Data Available  |
| Evaporation rate               | Not Applicable   |
| Volatile Organic Compounds     | No Data Available  |
| VOC Less H2O & Exempt Solvents | No Data Available  |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:** Strong oxidizing agents; Strong acids; Strong bases; Reducing agents

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

### Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u>      |
|------------------|-----------------------|
| Formaldehyde     | Oxidative Degradation |
| Carbon monoxide  | During Combustion     |
| Carbon dioxide   | During Combustion     |

## 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:** Dispose of completely absorbed waste product in a sanitary landfill. As a disposal alternative, 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      | UPC              | ID Number      | UPC              |
|----------------|------------------|----------------|------------------|
| 78-8007-1728-8 |                  | 80-6108-3463-4 | 00-54007-41814-6 |
| 80-6109-3893-0 | 00-51138-58612-6 |                |                  |

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

**SECTION 15: REGULATORY INFORMATION****US FEDERAL REGULATIONS**

Contact 3M for more information.

**311/312 Hazard Categories:**

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

**STATE REGULATIONS**

Contact 3M for more information.

**CHEMICAL INVENTORIES**

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

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

The components of this product are listed on the Canadian Domestic Substances List.

Contact 3M for more information.

## INTERNATIONAL REGULATIONS

Contact 3M for more information.

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(r)) 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(r) ratings are to be used with a fully implemented HMIS(r) program. HMIS(r) is a registered mark of the National Paint and Coatings Association (NPCA).

**Reason for Reissue:** The MSDS has been revised because 3M has adopted the 16-section ANSI/ISO format. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

### Revision Changes:

Section 3: Potential effects from eye contact was modified.  
Section 3: Potential effects from skin contact information was modified.  
Section 3: Potential effects from inhalation information was modified.  
Section 3: Potential effects from ingestion information was modified.  
Section 7: Handling information was modified.  
Section 8: Engineering controls information was modified.  
Section 8: Eye/face protection phrase was modified.  
Section 8: Skin protection phrase was modified.  
Section 15: Inventories information was modified.  
Section 4: First aid for ingestion (swallowing) - none - was added.  
Section 4: First aid for inhalation - none - was added.  
Section 4: First aid for inhalation - termination of exposure - was deleted.  
Section 4: First aid for inhalation - medical assistance - was deleted.  
Section 4: First aid for ingestion (swallowing) - decontamination - was deleted.  
Section 4: First aid for ingestion (swallowing) - intervention - was deleted.  
Section 4: First aid for ingestion (swallowing) - medical assistance - was deleted.

**DISCLAIMER:** The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M



MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.

**3M MSDSs are available at [www.3M.com](http://www.3M.com)**