



## Safety Data Sheet

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**Document Group:** 08-7590-6 **Version Number:** 4.04  
**Issue Date:** 11/19/23 **Supersedes Date:** 05/03/21

### Product identifier

3M™ Industrial Loadbreak Elbows 5810 Series, Modular Splices, Industrial Insulated Protective Caps, Loadbreak Elbow Connectors, & Loadbreak Probe Replacement Kits with Cooper Silicone Grease

### ID Number(s):

78-9237-0658-0, 78-9237-0661-4, 78-9237-0687-9, 80-0000-2043-0, 80-0000-2044-8, 80-0000-2045-5, 80-0000-2046-3, 80-6109-8314-2, 80-6109-8315-9, 80-6109-8317-5, 80-6109-8318-3, 80-6109-8773-9, 80-6109-8775-4, 80-6109-8783-8, 80-6109-8784-6, 80-6109-8785-3, 80-6109-8928-9, 80-6109-8937-0, 80-6109-8938-8, 80-6109-8939-6, 80-6109-8940-4, 80-6109-8941-2, 80-6109-8942-0, 80-6112-0380-5, 80-6112-0381-3, 80-6112-0505-7, 80-6116-1895-2, 80-6116-1896-0, 80-6116-1897-8, 80-6116-1898-6, 80-6116-1899-4, 80-6116-1900-0

7000132784, 7100167472, 7000132901, 7100032306, 7000006148, 7100164641, 7100164669, 7100026045, 7000058518, 7100164698, 7000132809, 7000132810, 7100031685, 7000132811, 7000058520, 7100167475, 7100164762, 7100002308, 7100165616, 7100165617, 7100191698, 7100168540, 7100191700, 7100191350, 7100002307, 7100321238, 7100321239, 7100321240, 7100321241

### Recommended use

Modular Power Cable Components

### Supplier's details

**MANUFACTURER:** 3M  
**DIVISION:** Electrical Markets Division  
**ADDRESS:** 3M Center, St. Paul, MN 55144-1000, USA  
**Telephone:** 1-888-3M HELPS (1-888-364-3577)

### Emergency telephone number

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

**This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet (SDS), Article Information Sheet (AIS), or Article Information Letter (AIL) for each of these components is included. Please do not separate the component documents from this cover page. The document numbers for components of this product are:**

08-7299-4, 36-4688-2

### Reason for Reissue

Conversion to GHS format SDS.

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|                        |           |                         |          |
|------------------------|-----------|-------------------------|----------|
| <b>Document Group:</b> | 08-7299-4 | <b>Version Number:</b>  | 3.01     |
| <b>Issue Date:</b>     | 04/30/21  | <b>Supersedes Date:</b> | 05/21/18 |

### SECTION 1: Identification

#### 1.1. Product identifier

Silicone Grease Compound provided by Cooper Power Systems Division, Components and Protective Equipment

#### Product Identification Numbers

| ID Number      | UPC | ID Number | UPC |
|----------------|-----|-----------|-----|
| 78-8124-4433-5 |     |           |     |

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Lubricant for power cable modular components, Lubricant grease for modular power cable accessories

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Electrical Markets Division             |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)         |

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

#### 2.1. Hazard classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### 2.2. Label elements

##### Signal word

Not applicable.

##### Symbols

Not applicable.

##### Pictograms

Not applicable.

### SECTION 3: Composition/information on ingredients

| Ingredient               | C.A.S. No. | % by Wt |
|--------------------------|------------|---------|
| Poly(dimethylsiloxane)   | 63148-62-9 | 85 - 98 |
| Amorphous silica         | 7631-86-9  | 1 - 10  |
| Hydrophobic fumed silica | 68583-49-3 | 1 - 5   |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

No need for first aid is anticipated.

**Skin Contact:**

Wash with soap and water. If signs/symptoms develop, get medical attention.

**Eye Contact:**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If Swallowed:**

No need for first aid is anticipated.

### 4.2. Most important symptoms and effects, both acute and delayed

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

### 4.3. Indication of any immediate medical attention and special treatment required

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture

None inherent in this product.

### Hazardous Decomposition or By-Products

**Substance**

Carbon monoxide  
Carbon dioxide

**Condition**

During Combustion  
During Combustion

### 5.3. Special protective actions for fire-fighters

No special protective actions for fire-fighters are anticipated.

## SECTION 6: Accidental release measures

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

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. Observe precautions from other sections. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

For industrial/occupational use only. Not for consumer sale or use.

**7.2. Conditions for safe storage including any incompatibilities**

No special storage requirements.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

| Ingredient        | C.A.S. No. | Agency | Limit type   | Additional Comments |
|-------------------|------------|--------|--|---------------------|
| SILICA, AMORPHOUS | 7631-86-9  | OSHA   | TWA:20 millions of particles/cu. ft.;TWA concentration:0.8 mg/m3 |                     |

ACGIH : American Conference of Governmental Industrial Hygienists  
 AIHA : American Industrial Hygiene Association  
 CMRG : Chemical Manufacturer's Recommended Guidelines  
 OSHA : United States Department of Labor - Occupational Safety and Health Administration  
 TWA: Time-Weighted-Average  
 STEL: Short Term Exposure Limit  
 CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

None required.

**Skin/hand protection**

No chemical protective gloves are required.

**Respiratory protection**

None required.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state**

Solid

**Color**

Colorless

|  |  |
|--|--|
| <b>Specific Physical Form:</b>                 | Paste  |
| <b>Odor</b>                                    | Odorless   |
| <b>Odor threshold</b>                          | <i>No Data Available</i>                         |
| <b>pH</b>                                      | <i>Not Applicable</i>                            |
| <b>Melting point</b>                           | <i>No Data Available</i>                         |
| <b>Boiling Point</b>                           | <i>Not Applicable</i>                            |
| <b>Flash Point</b>                             | 400 °F [ <i>Test Method</i> :Cleveland Open Cup] |
| <b>Evaporation rate</b>                        | <=1 [ <i>Ref Std</i> :BUOAC=1]                   |
| <b>Flammability (solid, gas)</b>               | Not Classified                                   |
| <b>Flammable Limits(LEL)</b>                   | <i>Not Applicable</i>                            |
| <b>Flammable Limits(UEL)</b>                   | <i>Not Applicable</i>                            |
| <b>Vapor Pressure</b>                          | Negligible                                       |
| <b>Vapor Density</b>                           | Negligible [ <i>Ref Std</i> :AIR=1]              |
| <b>Density</b>                                 | <i>No Data Available</i>                         |
| <b>Specific Gravity</b>                        | 1.03 [ <i>Ref Std</i> :WATER=1]                  |
| <b>Solubility in Water</b>                     | Nil  |
| <b>Solubility- non-water</b>                   | <i>No Data Available</i>                         |
| <b>Partition coefficient: n-octanol/ water</b> | <i>No Data Available</i>                         |
| <b>Autoignition temperature</b>                | <i>Not Applicable</i>                            |
| <b>Decomposition temperature</b>               | <i>No Data Available</i>                         |
| <b>Viscosity</b>                               | <i>No Data Available</i>                         |
| <b>Molecular weight</b>                        | <i>Not Applicable</i>                            |
| <b>Volatile Organic Compounds</b>              | <i>No Data Available</i>                         |
| <b>Percent volatile</b>                        | <=1 % volume                                     |
| <b>VOC Less H2O &amp; Exempt Solvents</b>      | <i>No Data Available</i>                         |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

### 10.2. Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

#### Substance

Formaldehyde

#### Condition

Oxidative Degradation

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be

present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1. Information on Toxicological effects

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation:

No known health effects.

#### Skin Contact:

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

#### Eye Contact:

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

#### Ingestion:

No known health effects.

#### Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

#### Acute Toxicity

| Name                   | Route                          | Species | Value  |
|------------------------|--------------------------------|---------|--|
| Overall product        | Ingestion                      |         | No data available; calculated ATE >5,000 mg/kg |
| Poly(dimethylsiloxane) | Dermal                         | Rabbit  | LD50 > 19,400 mg/kg                            |
| Poly(dimethylsiloxane) | Ingestion                      | Rat     | LD50 > 17,000 mg/kg                            |
| Amorphous silica       | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Amorphous silica       | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Amorphous silica       | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                             |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                   | Species | Value                     |
|------------------------|---------|---------------------------|
| Poly(dimethylsiloxane) | Rabbit  | No significant irritation |
| Amorphous silica       | Rabbit  | No significant irritation |

#### Serious Eye Damage/Irritation

| Name                   | Species | Value                     |
|------------------------|---------|---------------------------|
| Poly(dimethylsiloxane) | Rabbit  | No significant irritation |
| Amorphous silica       | Rabbit  | No significant irritation |

#### Skin Sensitization

| Name             | Species          | Value          |
|------------------|------------------|----------------|
| Amorphous silica | Human and animal | Not classified |

#### Respiratory Sensitization

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Germ Cell Mutagenicity**

| Name             | Route    | Value         |
|------------------|----------|---------------|
| Amorphous silica | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name             | Route         | Species | Value  |
|------------------|---------------|---------|--|
| Amorphous silica | Not Specified | Mouse   | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity**

**Reproductive and/or Developmental Effects**

| Name             | Route     | Value                                  | Species | Test Result           | Exposure Duration    |
|------------------|-----------|--|---------|-----------------------|----------------------|
| Amorphous silica | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Amorphous silica | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Amorphous silica | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis |

**Target Organ(s)**

**Specific Target Organ Toxicity - single exposure**

For the component/components, either no data are currently available or the data are not sufficient for classification.

**Specific Target Organ Toxicity - repeated exposure**

| Name             | Route      | Target Organ(s)                | Value          | Species | Test Result         | Exposure Duration     |
|------------------|------------|--------------------------------|----------------|---------|---------------------|-----------------------|
| Amorphous silica | Inhalation | respiratory system   silicosis | Not classified | Human   | NOAEL Not available | occupational exposure |

**Aspiration Hazard**

For the component/components, either no data are currently available or the data are not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

**SECTION 12: Ecological information**

**Ecotoxicological information**

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

**Chemical fate information**

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

**SECTION 13: Disposal considerations**

**13.1. Disposal methods**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper

destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

EPA Hazardous Waste Number (RCRA): Not regulated

**SECTION 14: Transport Information**

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

**SECTION 15: Regulatory information**

**15.1. US Federal Regulations**

Contact 3M for more information.

**EPCRA 311/312 Hazard Classifications:**

**Physical Hazards**

Not applicable

**Health Hazards**

Not applicable

**15.2. State Regulations**

Contact 3M for more information.

**15.3. Chemical Inventories**

The components of this product are in compliance with the new substance notification requirements of CEPA.

The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

Contact 3M for more information.

**15.4. International Regulations**

Contact 3M for more information.

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

**SECTION 16: Other information**

**NFPA Hazard Classification**

Health: 0 Flammability: 1 Instability: 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: 0 Flammability: 1 Physical Hazard: 0 Personal Protection: B

Hazardous Material Identification System (HMIS® IV) 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® IV ratings are to be used with a fully implemented HMIS® IV program. HMIS® is a registered mark of the American Coatings Association (ACA).

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|------------------------|-----------|-------------------------|----------|
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**Reason for Reissue**

Conversion to GHS format SDS.

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|                        |           |                         |               |
|------------------------|-----------|-------------------------|---------------|
| <b>Document Group:</b> | 36-4688-2 | <b>Version Number:</b>  | 1.00          |
| <b>Issue Date:</b>     | 09/22/16  | <b>Supersedes Date:</b> | Initial Issue |

### SECTION 1: Identification

#### 1.1. Product identifier

Industrial Loadbreak Elbow and Modular Connectors

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Electrical

#### 1.3. Supplier's details

|                      |   |
|----------------------|---|
| <b>MANUFACTURER:</b> | 3M                                      |
| <b>DIVISION:</b>     | Electrical Markets Division             |
| <b>ADDRESS:</b>      | 3M Center, St. Paul, MN 55144-1000, USA |
| <b>Telephone:</b>    | 1-888-3M HELPS (1-888-364-3577)         |

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazard identification

This product is exempt from hazard classification according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### SECTION 3: Composition/information on ingredients

| Ingredient          | C.A.S. No. | % by Wt    |
|---------------------|------------|------------|
| EPDM Rubber - Cured | Mixture    | 99.5 - 100 |
| LEAD OXIDE (PB3O4)  | 1314-41-6  | < 0.5      |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

No need for first aid is anticipated.

**Skin Contact:**

No need for first aid is anticipated.

**Eye Contact:**

No need for first aid is anticipated.

**If Swallowed:**

No need for first aid is anticipated.

## SECTION 5: Fire-fighting measures

In case of fire: Use a carbon dioxide or dry chemical extinguisher to extinguish.

## SECTION 6: Accidental release measures

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

Not applicable.

### 6.2. Environmental precautions

Not applicable.

### 6.3. Methods and material for containment and cleaning up

Not applicable.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.

### 7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

## SECTION 8: Exposure controls/personal protection

This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions. No engineering controls or personal protective equipment (PPE) are necessary.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                               |                       |
|-------------------------------|-----------------------|
| <b>General Physical Form:</b> | Solid                 |
| <b>Odor, Color, Grade:</b>    | EPDM Rubber           |
| <b>Odor threshold</b>         | <i>Not Applicable</i> |
| <b>pH</b>                     | <i>Not Applicable</i> |

|  |                          |
|--|--------------------------|
| <b>Melting point</b>                           | <i>No Data Available</i> |
| <b>Flash Point</b>                             | No flash point           |
| <b>Flammability (solid, gas)</b>               | Not Classified           |
| <b>Density</b>                                 | <i>No Data Available</i> |
| <b>Specific Gravity</b>                        | <i>No Data Available</i> |
| <b>Partition coefficient: n-octanol/ water</b> | <i>Not Applicable</i>    |
| <b>Autoignition temperature</b>                | <i>Not Applicable</i>    |
| <b>Decomposition temperature</b>               | <i>No Data Available</i> |

## SECTION 10: Stability and reactivity

This material is considered to be non reactive under normal use conditions.

## SECTION 11: Toxicological information

### **Inhalation:**

No health effects are expected

### **Skin Contact:**

No health effects are expected

### **Eye Contact:**

No health effects are expected

### **Ingestion:**

No health effects are expected

### **Additional Information:**

This product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

## SECTION 12: Ecological information

This article is expected to present a low environmental risk either because use and disposal are unlikely to result in a significant release of components to the environment or because those components that may be released are expected to have insignificant environmental impact.

## SECTION 13: Disposal considerations

Dispose of contents/container in accordance with the local/regional/national/international regulations.

## SECTION 14: Transport Information

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

## SECTION 15: Regulatory information

### **Chemical Inventories**

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory requirements.

**SECTION 16: Other information**

**NFPA Hazard Classification**

**Health:** 0 **Flammability:** 1 **Instability:** 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.

|                        |           |                         |               |
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| <b>Document Group:</b> | 36-4688-2 | <b>Version Number:</b>  | 1.00          |
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