



## Safety Data Sheet

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**Document group:** 26-5444-0 **Version number:** 4.03  
**Revision date:** 13/05/2025 **Supersedes date:** 28/11/2023  
**Transportation version number:**

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

### IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Cold Shrink QT-III Silicone Rubber Termination Kits (tubular series, skirted Q series and inverted series)

#### Product Identification Numbers

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| 80-6108-3412-1 | 80-6109-2011-0 | 80-6114-4083-7 | 80-6114-4084-5 | 80-6114-4365-8 |
| 80-6114-4366-6 | 80-6114-4368-2 | 80-6114-4369-6 | 80-6114-4370-8 | 80-6114-5044-8 |
| 7000132641     | 7000133172     | 7000058806     | 7000058810     | 7000133180     |
| 7000031773     | 7100009591     | 7000058811     | 7000006233     | 7100006158     |

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Identified uses

Electrical

#### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** ner-productstewardship@mmm.com

**Website:** [www.3M.com/uk](http://www.3M.com/uk)

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

This product is a kit or a multipart product which consists of multiple, independently packaged components. A Safety Data Sheet for each of these components is included. Please do not separate the component Safety Data Sheets from this cover page. The document numbers of the MSDSs for components of this product are:

39-0266-5, 26-2852-7

### TRANSPORTATION INFORMATION

Refer to section 14 of the kit components for transport information.

## KIT LABEL

### 2.1. Classification of the substance or mixture

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

#### CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Skin Sensitization, Category 1 - Skin Sens. 1; H317

Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

### 2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

#### SIGNAL WORD

WARNING.

#### Symbols

GHS07 (Exclamation mark) | GHS09 (Environment) |

#### Pictograms



#### HAZARD STATEMENTS:

|      |                                                  |
|------|--------------------------------------------------|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H411 | Toxic to aquatic life with long lasting effects. |

#### PRECAUTIONARY STATEMENTS

##### Prevention:

|       |                                   |
|-------|-----------------------------------|
| P273  | Avoid release to the environment. |
| P280E | Wear protective gloves.           |

##### Response:

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
|-------------|------------------------------------------------------------------|

Refer to Safety Data Sheet for component % unknown values ([www.3M.com/msds](http://www.3M.com/msds)).

#### Notes on labelling

Updated per Regulation (EC) No. 648/2004 as amended for Great Britain on detergents.

Ingredients required per 648/2004: >= 30%: Aliphatic hydrocarbons. Contains: d-limonene.

#### Revision information:

GB Kit Information: CLP Percent Unknown information was added.

GB Label: CLP Ingredients - kit components information was deleted.

GB Section 15: Label remarks and EU Detergent information was modified.  
Kit: Component document group number(s) information was modified.  
Section 1: E-mail address information was modified.



## Safety Data Sheet

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 26-2852-7  | <b>Version number:</b>  | 18.02      |
| <b>Revision date:</b>  | 17/09/2024 | <b>Supersedes date:</b> | 17/09/2024 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

3M Cable Preparation Kit CC-2 (Can)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Identified uses

Electrical, solvent soaked pads for cleaning cable

#### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** tox.uk@mmm.com  
**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

The aspiration hazard classification is not required due to the product's physical form.

##### CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Skin Sensitization, Category 1 - Skin Sens. 1; H317

Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

**2.2. Label elements****The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain****SIGNAL WORD**

WARNING.

**Symbols**

GHS07 (Exclamation mark) | GHS09 (Environment) |

**Pictograms**

| Ingredient             | CAS Nbr   | EC No.    | % by Wt |
|------------------------|-----------|-----------|---------|
| (R)-p-mentha-1,8-diene | 5989-27-5 | 227-813-5 | 5 - 20  |

**HAZARD STATEMENTS:**

|      |                                                  |
|------|--------------------------------------------------|
| H315 | Causes skin irritation.                          |
| H317 | May cause an allergic skin reaction.             |
| H411 | Toxic to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS****Prevention:**

|       |                                   |
|-------|-----------------------------------|
| P273  | Avoid release to the environment. |
| P280E | Wear protective gloves.           |

**Response:**

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P391        | Collect spillage.                                                |

Contains 40% of components with unknown hazards to the aquatic environment.

**Notes on labelling**

Updated per Regulation (EC) No. 648/2004 as amended for Great Britain on detergents.

Ingredients required per 648/2004 (not required on industrial label):  $\geq 30\%$ : Aliphatic hydrocarbons. Contains: d-limonene.

**2.3. Other hazards**

None known.

This material does not contain any substances that are assessed to be a PBT or vPvB

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

| Ingredient                                       | Identifier(s)                             | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB                                                                          |
|--------------------------------------------------|-------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | (EC-No.) 920-901-0                        | 50 - 70 | Asp. Tox. 1, H304<br>EUH066                                                                                                                                 |
| Cotton Pads                                      | None                                      | 25 - 40 | Substance not classified as hazardous                                                                                                                       |
| (R)-p-mentha-1,8-diene                           | (CAS-No.) 5989-27-5<br>(EC-No.) 227-813-5 | 5 - 20  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400,M=1<br>Aquatic Chronic 1, H410,M=1<br>Nota C<br>Asp. Tox. 1, H304 |

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Remove person to fresh air. If you feel unwell, get medical attention.

#### Skin contact

Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

#### Eye contact

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

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

The most important symptoms and effects based on the GB CLP classification include:

Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching).

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

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

None inherent in this product.

### 5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

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

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. 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 using non-sparking tools. 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.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

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

Store in a well-ventilated place. Keep cool. Store away from acids. Store away from oxidising agents.

### 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this Safety Data Sheet.

#### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

### 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/vapours/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

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

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

| Material                 | Thickness (mm) | Breakthrough Time |
|--------------------------|----------------|-------------------|
| Nitrile rubber.          | 0.35           | =>8 hours         |
| Polyvinyl alcohol (PVA). | >0.30          | =>8 hours         |
| Polymer laminate         | >0.30          | 4-8 hours         |

The glove data presented are based on the substance driving dermal toxicity and the conditions present at the time of testing. Breakthrough time may be altered when the glove is subjected to use conditions that place additional stress on the glove.

### Applicable Norms/Standards

Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron – Nitrile

Apron - polymer laminate

### Respiratory protection

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 vapours

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

### Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter type A

## SECTION 9: Physical and chemical properties

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

|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| <b>Physical state</b>               | Solid. (Lint-free cloths soaked with liquid) |
| <b>Specific Physical Form:</b>      | Cloth pads soaked in liquid in can or bag    |
| <b>Colour</b>                       | White                                        |
| <b>Odor</b>                         | Moderate Citrus                              |
| <b>Odour threshold</b>              | <i>No data available.</i>                    |
| <b>Melting point/freezing point</b> | <i>No data available.</i>                    |
| <b>Boiling point/boiling range</b>  | 193.3 °C - 248.9 °C                          |
| <b>Flammability</b>                 | Not applicable.                              |
| <b>Flammable Limits(LEL)</b>        | <i>No data available.</i>                    |
| <b>Flammable Limits(UEL)</b>        | <i>No data available.</i>                    |

|                                               |                                            |
|-----------------------------------------------|--------------------------------------------|
| <b>Flash point</b>                            | 62.2 °C [ <i>Test Method: Closed Cup</i> ] |
| <b>Autoignition temperature</b>               | <i>No data available.</i>                  |
| <b>Decomposition temperature</b>              | <i>No data available.</i>                  |
| <b>pH</b>                                     | 7                                          |
| <b>Kinematic Viscosity</b>                    | 2 mm <sup>2</sup> /sec                     |
| <b>Water solubility</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>Vapour pressure</b>                        | < 133.3 Pa [ <i>@ 25 °C</i> ]              |
| <b>Density</b>                                | 0.76 g/ml                                  |
| <b>Relative density</b>                       | 0.76 [ <i>Ref Std: WATER=1</i> ]           |
| <b>Relative Vapour Density</b>                | > 1 [ <i>Ref Std: AIR=1</i> ]              |
| <b>Particle Characteristics</b>               | <i>Not applicable.</i>                     |

## 9.2. Other information

### 9.2.2 Other safety characteristics

|                               |                           |
|-------------------------------|---------------------------|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate              | <i>No data available.</i> |
| Molecular weight              | <i>No data available.</i> |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Sparks and/or flames.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| Carbon monoxide  | Not specified.   |
| Carbon dioxide.  | Not specified.   |

## SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.**

## Signs and Symptoms of Exposure

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

### Inhalation

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

### Skin contact

Skin Irritation: Signs/symptoms may include localised redness, swelling, itching, dryness, cracking, blistering, and pain.  
Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

### Eye contact

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

### Ingestion

Physical Blockage: Signs/symptoms may include cramping, abdominal pain, and constipation. Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea.

### 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                                  | Inhalation-Vapour(4 hr)     |                   | No data available; calculated ATE >50 mg/l     |
| Overall product                                  | Ingestion                   |                   | No data available; calculated ATE >5,000 mg/kg |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Dermal                      | similar compounds | LD50 > 2,200 mg/kg                             |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Ingestion                   | similar compounds | LD50 > 15,000 mg/kg                            |
| (R)-p-mentha-1,8-diene                           | Inhalation-Vapour (4 hours) | Mouse             | LC50 > 3.14 mg/l                               |
| (R)-p-mentha-1,8-diene                           | Dermal                      | Rabbit            | LD50 > 5,000 mg/kg                             |
| (R)-p-mentha-1,8-diene                           | Ingestion                   | Rat               | LD50 4,400 mg/kg                               |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                                             | Species           | Value         |
|--------------------------------------------------|-------------------|---------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | similar compounds | Mild irritant |
| (R)-p-mentha-1,8-diene                           | Rabbit            | Irritant      |

### Serious Eye Damage/Irritation

| Name                                             | Species           | Value                     |
|--------------------------------------------------|-------------------|---------------------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | similar compounds | No significant irritation |
| (R)-p-mentha-1,8-diene                           | Rabbit            | Mild irritant             |

### Skin Sensitisation

**3M Cable Preparation Kit CC-2 (Can)**

| Name                                             | Species           | Value          |
|--------------------------------------------------|-------------------|----------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | similar compounds | Not classified |
| (R)-p-mentha-1,8-diene                           | Mouse             | Sensitising    |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name                                             | Route    | Value         |
|--------------------------------------------------|----------|---------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | In Vitro | Not mutagenic |
| (R)-p-mentha-1,8-diene                           | In Vitro | Not mutagenic |
| (R)-p-mentha-1,8-diene                           | In vivo  | Not mutagenic |

**Carcinogenicity**

| Name                   | Route     | Species | Value                                                                        |
|------------------------|-----------|---------|------------------------------------------------------------------------------|
| (R)-p-mentha-1,8-diene | Ingestion | Rat     | 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              |
|------------------------|-----------|----------------------------------------|-------------------------|---------------------|--------------------------------|
| (R)-p-mentha-1,8-diene | Ingestion | Not classified for female reproduction | Rat                     | NOAEL 750 mg/kg/day | prematuring & during gestation |
| (R)-p-mentha-1,8-diene | Ingestion | Not classified for development         | Multiple animal species | NOAEL 591 mg/kg/day | during organogenesis           |

**Target Organ(s)**
**Specific Target Organ Toxicity - single exposure**

| Name                                             | Route      | Target Organ(s)        | Value                                                                        | Species                | Test result         | Exposure Duration |
|--------------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| (R)-p-mentha-1,8-diene                           | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| (R)-p-mentha-1,8-diene                           | Ingestion  | nervous system         | Not classified                                                               |                        | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                   | Route     | Target Organ(s)                                                                                             | Value          | Species | Test result           | Exposure Duration |
|------------------------|-----------|-------------------------------------------------------------------------------------------------------------|----------------|---------|-----------------------|-------------------|
| (R)-p-mentha-1,8-diene | Ingestion | kidney and/or bladder                                                                                       | Not classified | Rat     | LOAEL 75 mg/kg/day    | 103 weeks         |
| (R)-p-mentha-1,8-diene | Ingestion | liver                                                                                                       | Not classified | Mouse   | NOAEL 1,000 mg/kg/day | 103 weeks         |
| (R)-p-mentha-1,8-diene | Ingestion | heart   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   muscles | Not classified | Rat     | NOAEL 600 mg/kg/day   | 103 weeks         |

**3M Cable Preparation Kit CC-2 (Can)**

|  |  |                                        |  |  |  |  |
|--|--|----------------------------------------|--|--|--|--|
|  |  | nervous system  <br>respiratory system |  |  |  |  |
|--|--|----------------------------------------|--|--|--|--|

**Aspiration Hazard**

| Name                                             | Value             |
|--------------------------------------------------|-------------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | Aspiration hazard |
| (R)-p-mentha-1,8-diene                           | Aspiration hazard |

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.

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

**SECTION 12: Ecological information**

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**12.1. Toxicity**

No product test data available.

| Material                                         | CAS #     | Organism       | Type         | Exposure | Test endpoint | Test result |
|--------------------------------------------------|-----------|----------------|--------------|----------|---------------|-------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Green algae    | Estimated    | 72 hours | EL50          | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Rainbow trout  | Estimated    | 96 hours | LL50          | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Water flea     | Estimated    | 48 hours | EL50          | >1,000 mg/l |
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Green algae    | Estimated    | 72 hours | NOEL          | 1,000 mg/l  |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Fathead minnow | Experimental | 96 hours | LC50          | 0.702 mg/l  |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Green algae    | Experimental | 72 hours | ErC50         | 0.32 mg/l   |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Water flea     | Experimental | 48 hours | EC50          | 0.307 mg/l  |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Fathead minnow | Experimental | 8 days   | EC10          | 0.32 mg/l   |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Green algae    | Experimental | 72 hours | ErC10         | 0.174 mg/l  |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Water flea     | Experimental | 21 days  | NOEC          | 0.153 mg/l  |

**12.2. Persistence and degradability**

| Material                               | CAS Nbr   | Test type                | Duration | Study Type | Test result    | Protocol                            |
|----------------------------------------|-----------|--------------------------|----------|------------|----------------|-------------------------------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% | 920-901-0 | Estimated Biodegradation | 28 days  | BOD        | 31.3 %BOD/ThOD | OECD 301F - Manometric respirometry |

**3M Cable Preparation Kit CC-2 (Can)**

|                        |           |                             |         |                                |                       |                               |
|------------------------|-----------|-----------------------------|---------|--------------------------------|-----------------------|-------------------------------|
| aromatics              |           |                             |         |                                |                       |                               |
| (R)-p-mentha-1,8-diene | 5989-27-5 | Experimental Biodegradation | 14 days | BOD                            | 98 %BOD/ThOD          | OECD 301C - MITI test (I)     |
| (R)-p-mentha-1,8-diene | 5989-27-5 | Experimental Biodegradation | 14 days | Dissolv. Organic Carbon Deplet | >93.8 %removal of DOC | OECD 303A - Simulated Aerobic |

**12.3 : Bioaccumulative potential**

| Material                                         | Cas No.   | Test type                                             | Duration | Study Type             | Test result | Protocol   |
|--------------------------------------------------|-----------|-------------------------------------------------------|----------|------------------------|-------------|------------|
| Hydrocarbons, C11-C13, isoalkanes, <2% aromatics | 920-901-0 | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A        |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Modeled Bioconcentration                              |          | Bioaccumulation factor | 2100        | Catalogic™ |
| (R)-p-mentha-1,8-diene                           | 5989-27-5 | Experimental Bioconcentration                         |          | Log Kow                | 4.57        |            |

**12.4. Mobility in soil**

| Material               | Cas No.   | Test type                | Study Type | Test result | Protocol  |
|------------------------|-----------|--------------------------|------------|-------------|-----------|
| (R)-p-mentha-1,8-diene | 5989-27-5 | Modeled Mobility in Soil | Koc        | 9,245 l/kg  | Episuite™ |

**12.5. Results of the PBT and vPvB assessment**

This material does not contain any substances that are assessed to be a PBT or vPvB

**12.6. Other adverse effects**

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

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

Incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

15 02 02\* Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

**SECTION 14: Transportation information**

|  | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|------------------------|----------------------|-------------------------|
|--|------------------------|----------------------|-------------------------|

|                                                                                  |                                                                        |                                                                        |                                                                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>14.1 UN number</b>                                                            | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>14.2 UN proper shipping name</b>                                              | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>14.3 Transport hazard class(es)</b>                                           | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>14.4 Packing group</b>                                                        | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>14.5 Environmental hazards</b>                                                | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>14.6 Special precautions for user</b>                                         | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b> | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Control Temperature</b>                                                       | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>Emergency Temperature</b>                                                     | Not applicable.                                                        | Not applicable.                                                        | Not applicable.                                                        |
| <b>ADR Classification Code</b>                                                   | M6                                                                     | Not applicable.                                                        | Not applicable.                                                        |
| <b>IMDG Segregation Code</b>                                                     | Not applicable.                                                        | Not applicable.                                                        | NONE                                                                   |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Carcinogenicity

| <u>Ingredient</u>      | <u>CAS Nbr</u> | <u>Classification</u>   | <u>Regulation</u>                           |
|------------------------|----------------|-------------------------|---------------------------------------------|
| (R)-p-mentha-1,8-diene | 5989-27-5      | Gr. 3: Not classifiable | International Agency for Research on Cancer |

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Philippines RA 6969 requirements. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The

**3M Cable Preparation Kit CC-2 (Can)**

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.

**COMAH Regulation, SI 2015/483**

Seveso hazard categories, Annex 1, Part 1

| Hazard Categories                       | Qualifying quantity (tonnes) for the application of |                         |
|-----------------------------------------|-----------------------------------------------------|-------------------------|
|                                         | Lower-tier requirements                             | Upper-tier requirements |
| E2 Hazardous to the Aquatic environment | 200                                                 | 500                     |

Seveso named dangerous substances, Annex 1, Part 2

| Dangerous Substances   | Identifier(s) | Qualifying quantity (tonnes) for the application of |                         |
|------------------------|---------------|-----------------------------------------------------|-------------------------|
|                        |               | Lower-tier requirements                             | Upper-tier requirements |
| (R)-p-mentha-1,8-diene | 5989-27-5     | 10                                                  | 50                      |

**Regulation (EU) No 649/2012, as amended for GB**

No chemicals listed

**15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

**SECTION 16: Other information****List of relevant H statements**

|        |                                                       |
|--------|-------------------------------------------------------|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H226   | Flammable liquid and vapour.                          |
| H304   | May be fatal if swallowed and enters airways.         |
| H315   | Causes skin irritation.                               |
| H317   | May cause an allergic skin reaction.                  |
| H400   | Very toxic to aquatic life.                           |
| H410   | Very toxic to aquatic life with long lasting effects. |
| H411   | Toxic to aquatic life with long lasting effects.      |

**Revision information:**

GB Section 02: CLP Ingredient table information was modified.  
 Label: CLP Precautionary - Response information was modified.  
 Section 02: Label Elements: GB Percent Unknown information was added.  
 Section 09: Flammability information information was added.  
 Section 09: Odor information was modified.  
 Section 09: Particle Characteristics N/A information was added.  
 Section 11: Acute Toxicity table information was modified.  
 Section 11: Carcinogenicity Table information was modified.  
 Section 11: Germ Cell Mutagenicity Table information was modified.  
 Section 11: Health Effects - Inhalation information information was modified.  
 Section 11: Health Effects - Skin information information was modified.  
 Section 11: Reproductive Toxicity Table information was modified.  
 Section 11: Serious Eye Damage/Irritation Table information was modified.  
 Section 11: Skin Corrosion/Irritation Table information was modified.  
 Section 11: Skin Sensitization Table information was modified.  
 Section 11: Target Organs - Single Table information was modified.

Section 15: Seveso Hazard Category Text information was added.

Section 8: glove data value information was modified.

Section 9: Flammability (solid, gas) information information was deleted.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

**3M SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

For Northern Ireland documents, please contact your 3M representative to obtain a copy.



## Safety Data Sheet

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This product is defined as an article under REACH and does not require a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006 as amended for Great Britain. Since an SDS is not required, this document does not contain all of the information that is required for substance and mixture SDSs under REACH.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 39-0266-5  | <b>Version number:</b>  | 2.01       |
| <b>Revision date:</b>  | 10/06/2026 | <b>Supersedes date:</b> | 30/09/2025 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Electrical Grounding Braids with Solder

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Identified uses

Electrical

#### 1.3. Details of the supplier of the safety data sheet

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** ner-productstewardship@mmm.com  
**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

##### CLASSIFICATION:

This material is exempt from hazard classification according to Regulation (EC) No. 1272/2008, as amended for Great Britain, on classification, labelling, and packaging of substances and mixtures.

#### 2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

Not applicable

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

| Ingredient                              | Identifier(s)                             | %    | Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB                                                  |
|-----------------------------------------|-------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------|
| TIN                                     | (CAS-No.) 7440-31-5<br>(EC-No.) 231-141-8 | < 10 | Substance not classified as hazardous                                                                                               |
| lead powder; [particle diameter < 1 mm] | (CAS-No.) 7439-92-1<br>(EC-No.) 231-100-4 | < 5  | Repr. 1A, H360FD<br>Lact., H362<br>Aquatic Acute 1, H400,M=1<br>Aquatic Chronic 1, H410,M=10<br>STOT RE 2, H373<br>Repr. 1A, H360FD |
| rosin                                   | (CAS-No.) 8050-09-7<br>(EC-No.) 232-475-7 | <= 1 | Skin Sens. 1B, H317                                                                                                                 |

Please see section 16 for the full text of any H statements referred to in this section

**Specific Concentration Limits**

| Ingredient                              | Identifier(s)                             | Specific Concentration Limits |
|-----------------------------------------|-------------------------------------------|-------------------------------|
| lead powder; [particle diameter < 1 mm] | (CAS-No.) 7439-92-1<br>(EC-No.) 231-100-4 | (C >= 0.03%) Repr. 1A, H360D  |

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

No need for first aid is anticipated. If symptoms develop, remove the affected person to fresh air. Get medical attention.

**Skin contact**

No need for first aid is anticipated.

**Eye contact**

No need for first aid is anticipated. If signs/symptoms persist, get medical attention.

**If swallowed**

Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

**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. Extinguishing media**

Material will not burn.

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

None inherent in this product.

**5.3. Advice 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**

Not applicable.

**6.2. Environmental precautions**

Not applicable.

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

Not applicable.

**6.4. Reference to other sections**

Refer to Section 8 and Section 13 for more information

**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**

Not applicable.

**7.3. Specific end use(s)**

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

**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.

| <b>Ingredient</b>                       | <b>Identifier(s)</b> | <b>Agency</b> | <b>Limit type</b>                                                         | <b>Additional comments</b> |
|-----------------------------------------|----------------------|---------------|---------------------------------------------------------------------------|----------------------------|
| lead powder; [particle diameter < 1 mm] | 7439-92-1            | UK HSE        | TWA(as Pb):0.15 mg/m <sup>3</sup>                                         |                            |
| rosin                                   | 8050-09-7            | UK HSE        | TWA(as fume):0.05 mg/m <sup>3</sup> ;STEL(as fume):0.15 mg/m <sup>3</sup> | Respiratory Sensitizer     |

UK HSE : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

**Biological limit values**

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

**8.2. Exposure controls**

**8.2.1. Engineering controls**

No engineering controls required.

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

**Eye/face protection**

Eye protection not required.

**Skin/hand protection**

No chemical protective gloves are required.

**Respiratory protection**

Respiratory protection is not required.

**SECTION 9: Physical and chemical properties**

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

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| <b>Physical state</b>                         | Solid.                                             |
| <b>Colour</b>                                 | Silver                                             |
| <b>Odor</b>                                   | Metallic                                           |
| <b>Odour threshold</b>                        | <i>No data available.</i>                          |
| <b>Melting point/freezing point</b>           | 1,083 °C                                           |
| <b>Boiling point/boiling range</b>            | <i>Not applicable.</i>                             |
| <b>Flammability</b>                           | Not applicable.                                    |
| <b>Flammable Limits(LEL)</b>                  | <i>Not applicable.</i>                             |
| <b>Flammable Limits(UEL)</b>                  | <i>Not applicable.</i>                             |
| <b>Flash point</b>                            | No flash point                                     |
| <b>Autoignition temperature</b>               | 816 °C                                             |
| <b>Decomposition temperature</b>              | 200 °C                                             |
| <b>pH</b>                                     | <i>substance/mixture is non-soluble (in water)</i> |
| <b>Kinematic Viscosity</b>                    | <i>No data available.</i>                          |
| <b>Water solubility</b>                       | Nil                                                |
| <b>Solubility- non-water</b>                  | <i>Not applicable.</i>                             |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i>                          |
| <b>Vapour pressure</b>                        | <i>Not applicable.</i>                             |
| <b>Density</b>                                | <i>No data available.</i>                          |
| <b>Relative density</b>                       | <i>No data available.</i>                          |

**Relative Vapour Density**  
**Particle Characteristics**

*No data available.*  
*Not applicable.*

## 9.2. Other information

### 9.2.2 Other safety characteristics

**EU Volatile Organic Compounds**  
**Evaporation rate**  
**Molecular weight**

*No data available.*  
*No data available.*  
*Not applicable.*

## 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 polymerisation will not occur.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

Substance

Condition

None known.

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

## SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

#### 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 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 3M 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.

**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 |
| TIN                                     | Dermal                         | Rat     | LD50 > 2,000 mg/kg                             |
| TIN                                     | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 4.75 mg/l                               |
| TIN                                     | Ingestion                      | Rat     | LD50 > 2,000 mg/kg                             |
| lead powder; [particle diameter < 1 mm] | Dermal                         |         | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| rosin                                   | Dermal                         | Rabbit  | LD50 > 2,500 mg/kg                             |
| rosin                                   | Ingestion                      | Rat     | LD50 7,600 mg/kg                               |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                    | Species           | Value                     |
|-----------------------------------------|-------------------|---------------------------|
| TIN                                     | Rabbit            | No significant irritation |
| lead powder; [particle diameter < 1 mm] | similar compounds | No significant irritation |
| rosin                                   | Rabbit            | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                    | Species           | Value                     |
|-----------------------------------------|-------------------|---------------------------|
| TIN                                     | Rabbit            | No significant irritation |
| lead powder; [particle diameter < 1 mm] | similar compounds | Mild irritant             |
| rosin                                   | Rabbit            | Mild irritant             |

**Skin Sensitisation**

| Name  | Species    | Value       |
|-------|------------|-------------|
| rosin | Guinea pig | Sensitising |

**Respiratory Sensitisation**

| Name  | Species | Value          |
|-------|---------|----------------|
| rosin | Human   | Not classified |

### Germ Cell Mutagenicity

| Name                                    | Route   | Value                                                                        |
|-----------------------------------------|---------|------------------------------------------------------------------------------|
| lead powder; [particle diameter < 1 mm] | In vivo | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                                    | Route          | Species                 | Value         |
|-----------------------------------------|----------------|-------------------------|---------------|
| lead powder; [particle diameter < 1 mm] | Not specified. | official classification | Carcinogenic. |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                                    | Route          | Value                        | Species | Test result          | Exposure Duration |
|-----------------------------------------|----------------|------------------------------|---------|----------------------|-------------------|
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to female reproduction | Human   | LOAEL 10 ug/dl blood |                   |
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to male reproduction   | Human   | LOAEL 37 ug/dl blood |                   |
| lead powder; [particle diameter < 1 mm] | Not specified. | Toxic to development         | Human   | NOAEL Not available  |                   |

### Lactation

| Name                                    | Route          | Species | Value                              |
|-----------------------------------------|----------------|---------|------------------------------------|
| lead powder; [particle diameter < 1 mm] | Not specified. | Human   | Causes effects on or via lactation |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                                    | Route     | Target Organ(s) | Value                      | Species | Test result          | Exposure Duration      |
|-----------------------------------------|-----------|-----------------|----------------------------|---------|----------------------|------------------------|
| lead powder; [particle diameter < 1 mm] | Ingestion | nervous system  | May cause damage to organs | Human   | LOAEL 90 ug/dl blood | poisoning and/or abuse |
| lead powder; [particle diameter < 1 mm] | Ingestion | heart           | Not classified             | Human   | NOAEL Not available  | poisoning and/or abuse |

#### Specific Target Organ Toxicity - repeated exposure

| Name                                    | Route      | Target Organ(s)                                            | Value                                                            | Species | Test result          | Exposure Duration     |
|-----------------------------------------|------------|------------------------------------------------------------|------------------------------------------------------------------|---------|----------------------|-----------------------|
| lead powder; [particle diameter < 1 mm] | Inhalation | kidney and/or bladder                                      | May cause damage to organs though prolonged or repeated exposure | Human   | LOAEL 60 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | hematopoietic system                                       | May cause damage to organs though prolonged or repeated exposure | Human   | LOAEL 50 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | gastrointestinal tract   nervous system                    | May cause damage to organs though prolonged or repeated exposure | Human   | LOAEL 40 ug/dl blood | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Inhalation | heart   endocrine system   immune system   vascular system | Not classified                                                   | Human   | NOAEL Not available  | occupational exposure |
| lead powder; [particle diameter < 1 mm] | Ingestion  | bone, teeth, nails, and/or hair                            | May cause damage to organs though prolonged or repeated exposure | Rat     | LOAEL 20 ug/dl blood | 3 months              |
| lead powder; [particle diameter < 1 mm] | Ingestion  | eyes                                                       | May cause damage to organs though prolonged or repeated exposure | Rat     | LOAEL 0.5 mg/kg/day  | 20 days               |
| lead powder; [particle diameter < 1 mm] | Ingestion  | gastrointestinal tract                                     | May cause damage to organs                                       | Human   | LOAEL 60             | environmental         |

## Electrical Grounding Braids with Solder

|                                         |           |                                                              |                                                                  |       |                      |                        |
|-----------------------------------------|-----------|--------------------------------------------------------------|------------------------------------------------------------------|-------|----------------------|------------------------|
| diameter < 1 mm]                        |           |                                                              | though prolonged or repeated exposure                            |       | ug/dl blood          | l exposure             |
| lead powder; [particle diameter < 1 mm] | Ingestion | hematopoietic system   kidney and/or bladder                 | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 40 ug/dl blood | environmental exposure |
| lead powder; [particle diameter < 1 mm] | Ingestion | nervous system                                               | May cause damage to organs though prolonged or repeated exposure | Human | LOAEL 11 ug/dl blood | environmental exposure |
| lead powder; [particle diameter < 1 mm] | Ingestion | auditory system   heart   endocrine system   vascular system | Not classified                                                   | Human | NOAEL Not available  | environmental exposure |

### Aspiration Hazard

For the component/components, either no data is currently available or the data is 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.

### 11.2. Information on other hazards

Not applicable.

## SECTION 12: Ecological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 12.1. Toxicity

No product test data available.

| Material                                | Identifier(s) | Organism         | Type               | Exposure | Test endpoint | Test result |
|-----------------------------------------|---------------|------------------|--------------------|----------|---------------|-------------|
| TIN                                     | 7440-31-5     | Fathead minnow   | Estimated          | 96 hours | LC50          | >100 mg/l   |
| TIN                                     | 7440-31-5     | Green algae      | Estimated          | 72 hours | EC50          | >100 mg/l   |
| TIN                                     | 7440-31-5     | Green algae      | Estimated          | 72 hours | NOEC          | 100 mg/l    |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Fathead minnow   | Analogous Compound | 96 hours | LC50          | 0.0408 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Green algae      | Analogous Compound | 72 hours | ErC50         | 0.0205 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Water flea       | Analogous Compound | 48 hours | LC50          | 0.026 mg/l  |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Giant Pond Snail | Analogous Compound | 30 days  | EC10          | 0.0017 mg/l |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Green algae      | Analogous Compound | 72 hours | ErC10         | 0.006 mg/l  |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Rainbow trout    | Analogous Compound | 570 days | EC10          | 0.009 mg/l  |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Activated sludge | Analogous Compound | 24 hours | IC10          | 1.06 mg/l   |

**Electrical Grounding Braids with Solder**

|       |           |                  |              |          |                                |              |
|-------|-----------|------------------|--------------|----------|--------------------------------|--------------|
| rosin | 8050-09-7 | Green algae      | Experimental | 72 hours | No tox obs at lmt of water sol | >100 mg/l    |
| rosin | 8050-09-7 | Zebra Fish       | Experimental | 96 hours | LL50                           | >1 mg/l      |
| rosin | 8050-09-7 | Green algae      | Experimental | 72 hours | No tox obs at lmt of water sol | >100 mg/l    |
| rosin | 8050-09-7 | Activated sludge | Experimental | 3 hours  | EC50                           | >10,000 mg/l |
| rosin | 8050-09-7 | Bacteria         | Experimental | N/A      | EC50                           | 76.1 mg/l    |

**12.2. Persistence and degradability**

| Material                                | Identifier(s) | Test type                     | Duration | Study Type    | Test result                       | Protocol                          |
|-----------------------------------------|---------------|-------------------------------|----------|---------------|-----------------------------------|-----------------------------------|
| TIN                                     | 7440-31-5     | Data not availbl-insufficient | N/A      | N/A           | N/A                               | N/A                               |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Data not availbl-insufficient | N/A      | N/A           | N/A                               | N/A                               |
| rosin                                   | 8050-09-7     | Experimental Biodegradation   | 28 days  | CO2 evolution | 89 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |

**12.3 : Bioaccumulative potential**

| Material                                | Identifier(s) | Test type                                             | Duration | Study Type             | Test result | Protocol                     |
|-----------------------------------------|---------------|-------------------------------------------------------|----------|------------------------|-------------|------------------------------|
| TIN                                     | 7440-31-5     | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                          |
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Experimental BCF - Invertebrate                       |          | Bioaccumulation factor | 1553        |                              |
| rosin                                   | 8050-09-7     | Analogous Compound BCF - Fish                         | 20 days  | Bioaccumulation factor | <=129       |                              |
| rosin                                   | 8050-09-7     | Experimental Bioconcentration                         |          | Log Kow                | 6.2         | OECD 117 log Kow HPLC method |

**12.4. Mobility in soil**

| Material | Identifier(s) | Test type                | Study Type | Test result | Protocol             |
|----------|---------------|--------------------------|------------|-------------|----------------------|
| rosin    | 8050-09-7     | Modeled Mobility in Soil | Koc        | 124 l/kg    | ACD/Labs ChemSketch™ |

**12.5. Results of the PBT and vPvB assessment**

Not applicable

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1 Waste treatment 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. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

**EU waste code (product as sold)**

200136 Discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35

**SECTION 14: Transportation information**

Not hazardous for transportation.

|                                                                   | <b>Ground Transport (ADR)</b>                                          | <b>Air Transport (IATA)</b>                                            | <b>Marine Transport (IMDG)</b>                                         |
|-------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>14.1 - UN Number or ID number</b>                              | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.2 UN proper shipping name</b>                               | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.3 Transport hazard class(es)</b>                            | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.4 Packing group</b>                                         | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.5 Environmental hazards</b>                                 | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.6 Special precautions for user</b>                          | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Marine Transport in bulk according to IMO instruments</b> | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Control Temperature</b>                                        | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Emergency Temperature</b>                                      | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>ADR Classification Code</b>                                    | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>IMDG Segregation Code</b>                                      | No data available.                                                     | No data available.                                                     | No data available.                                                     |

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity**

| <u>Ingredient</u>                       | <u>Identifier(s)</u> | <u>Classification</u>         | <u>Regulation</u>                           |
|-----------------------------------------|----------------------|-------------------------------|---------------------------------------------|
| lead powder; [particle diameter < 1 mm] | 7439-92-1            | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

**Authorisation status under UK REACH:**

The following substance/s contained in this product might be or is/are subject to authorisation in accordance with UK REACH:

| <u>Ingredient</u>                       | <u>Identifier(s)</u> |
|-----------------------------------------|----------------------|
| lead powder; [particle diameter < 1 mm] | 7439-92-1            |

Authorisation status: listed in the UK REACH Candidate List of Substances of Very High Concern for Authorisation

**Global inventory status**

Contact 3M for more information.

**COMAH Regulation, SI 2015/483**

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

None

**Regulation (EU) No 649/2012, as amended for GB**

| Chemical                                | Identifier(s) | Annex I |
|-----------------------------------------|---------------|---------|
| lead powder; [particle diameter < 1 mm] | 7439-92-1     | Part 1  |

**15.2. Chemical Safety Assessment**

Not applicable.

**SECTION 16: Other information****List of relevant H statements**

|        |                                                                    |
|--------|--------------------------------------------------------------------|
| H317   | May cause an allergic skin reaction.                               |
| H360FD | May damage fertility. May damage the unborn child.                 |
| H362   | May cause harm to breast-fed children.                             |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.                                        |
| H410   | Very toxic to aquatic life with long lasting effects.              |

**Revision information:**

EU Section 14 - Table Data information was added.

EU Section 14 - Table Headers information was added.  
GBSDS Section 14 Transport in bulk - Main Heading information was deleted.  
GBSDS Section 14 UN Number information was deleted.  
Section 3: Composition/ Information of ingredients table information was modified.  
Section 9: Vapour pressure value information was added.  
Section 9: Vapour pressure value information was deleted.  
Section 14 Classification Code – Main Heading information was deleted.  
Section 14 Classification Code – Regulation Data information was deleted.  
Section 14 Control Temperature – Main Heading information was deleted.  
Section 14 Control Temperature – Regulation Data information was deleted.  
Section 14 Emergency Temperature – Main Heading information was deleted.  
Section 14 Emergency Temperature – Regulation Data information was deleted.  
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.  
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.  
Section 14 Other Dangerous Goods – Main Heading information was deleted.  
Section 14 Other Dangerous Goods – Regulation Data information was deleted.  
Section 14 Packing Group – Main Heading information was deleted.  
Section 14 Packing Group – Regulation Data information was deleted.  
Section 14 Proper Shipping Name information was deleted.  
Section 14 Regulations – Main Headings information was deleted.  
Section 14 Segregation – Regulation Data information was deleted.  
Section 14 Segregation Code – Main Heading information was deleted.  
Section 14 Special Precautions – Main Heading information was deleted.  
Section 14 Special Precautions – Regulation Data information was deleted.  
Section 14 Transport in bulk – Regulation Data information was deleted.  
Section 14 UN Number Column data information was deleted.

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**3M SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

For Northern Ireland documents, please contact your 3M representative to obtain a copy.