



## Safety Data Sheet

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|                                       |            |                         |            |
|---------------------------------------|------------|-------------------------|------------|
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| <b>Transportation version number:</b> |            |                         |            |

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

3M™ Cold Shrink Kits with CC Cleaner and Si Grease (including Custom D&B Kits)

#### Product Identification Numbers

KE-2320-5493-9

7000092161

#### 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

|                   |                                                                              |
|-------------------|------------------------------------------------------------------------------|
| <b>Address:</b>   | 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT. |
| <b>Telephone:</b> | +44 (0)1344 858 000                                                          |
| <b>E Mail:</b>    | tox.uk@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:

10-2656-6, 11-4628-1, 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



#### Contains:

(R)-p-mentha-1,8-diene

#### 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.                                                |

#### Revision information:

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

Label: CLP Percent Unknown - Kit information was deleted.

Label: CLP Ingredients - kit components information was deleted.



## Safety Data Sheet

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**Document group:** 11-4628-1  
**Revision date:** 16/01/2025

**Version number:** 35.02  
**Supersedes date:** 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-3 (Bag)

#### Product Identification Numbers

80-6105-9300-8

7100018646

#### 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:** 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



#### 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                        | 45 - 75 | Asp. Tox. 1, H304<br>EUH066                                                                                                                                 |
| Cotton Pads                                      | None                                      | 20 - 45 | Substance not classified as hazardous                                                                                                                       |
| (R)-p-mentha-1,8-diene                           | (CAS-No.) 5989-27-5<br>(EC-No.) 227-813-5 | 2 - 25  | 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

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

|                                        |                                   |
|----------------------------------------|-----------------------------------|
| Flammable Limits(LEL)                  | No data available.                |
| Flammable Limits(UEL)                  | No data available.                |
| Flash point                            | 62.2 °C [Test Method: Closed Cup] |
| Autoignition temperature               | No data available.                |
| Decomposition temperature              | No data available.                |
| pH                                     | 7                                 |
| Kinematic Viscosity                    | 2 mm <sup>2</sup> /sec            |
| Water solubility                       | Nil                               |
| Solubility- non-water                  | No data available.                |
| Partition coefficient: n-octanol/water | No data available.                |
| Vapour pressure                        | < 133.3 Pa [ @ 25 °C ]            |
| Density                                | 0.76 g/ml                         |
| Relative density                       | 0.76 [Ref Std: WATER=1]           |
| Relative Vapour Density                | > 1 [Ref Std: AIR=1]              |
| Particle Characteristics               | Not applicable.                   |

## 9.2. Other information

### 9.2.2 Other safety characteristics

EU Volatile Organic Compounds

No data available.

Evaporation rate

No data available.

Molecular weight

No data available.

## 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

#### Substance

#### Condition

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**

| 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 | premating & 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 | Not classified | Rat     | NOAEL 600 mg/kg/day   | 103 weeks         |

**3M Cable Preparation Kit CC-3 (Bag)**

|  |  |                                                                                 |  |  |  |  |
|--|--|---------------------------------------------------------------------------------|--|--|--|--|
|  |  | system   immune<br>system   muscles  <br>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, | 920-901-0 | Estimated | 28 days  | BOD        | 31.3 %BOD/ThOD | OECD 301F - Manometric |

**3M Cable Preparation Kit CC-3 (Bag)**

|                                    |           |                             |         |                                |                       |                               |
|------------------------------------|-----------|-----------------------------|---------|--------------------------------|-----------------------|-------------------------------|
| C11-C13, isoalkanes, <2% aromatics |           | Biodegradation              |         |                                |                       | respirometry                  |
| (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

##### Ingredient

##### CAS Nbr

##### Classification

##### Regulation

(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 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 deleted.

Section 3: Composition/ Information of ingredients table information was modified.

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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**Document group:** 10-2656-6  
**Revision date:** 07/07/2023

**Version number:** 10.03  
**Supersedes date:** 30/06/2023

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

Silicone lubricant

#### Product Identification Numbers

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| 80-6108-3463-4 | KE-2320-9117-0 | KE-2320-9118-8 | KE-2320-9119-6 | KE-2320-9157-6 |
| KE-2320-9158-4 | KE-2320-9160-0 |                |                |                |
| 7000058439     | 7000035263     | 7000035264     | 7000035265     | 7000035267     |
| 7000035268     | 7000092253     |                |                |                |

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

##### Identified uses

Silicone lubricant grease for electrical splices

#### 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

##### CLASSIFICATION:

This material is not classified as hazardous 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.

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**

| <b>Ingredient</b>                                   | <b>Identifier(s)</b>  | <b>%</b> | <b>Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB</b> |
|-----------------------------------------------------|-----------------------|----------|-------------------------------------------------------------------------------------------|
| SILICONE GREASE                                     | (CAS-No.) 63148-62-9  | 75 - 97  | Substance not classified as hazardous                                                     |
| Synthetic amorphous silica, fumed, crystalline free | (CAS-No.) 112945-52-5 | 3 - 25   | Substance with a national occupational exposure limit                                     |

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 are concerned, get medical advice.

**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**

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**

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**

formaldehyde  
Carbon monoxide  
Carbon dioxide.

**Condition**

During combustion.  
During combustion.  
During combustion.

**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**

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. 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.

**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. 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. Store away from acids. Store away from strong bases. 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**

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>CAS Nbr</b> | <b>Agency</b> | <b>Limit type</b> | <b>Additional comments</b> |
|-------------------|----------------|---------------|-------------------|----------------------------|
|-------------------|----------------|---------------|-------------------|----------------------------|

Silicon dioxide

112945-52-5 UK HSC

TWA(as respirable dust):2.4  
mg/m<sup>3</sup>;TWA(as inhalable  
dust):6 mg/m<sup>3</sup>

UK HSC : 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**

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**

No protective gloves required.

**Respiratory protection**

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

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Physical state                         | Solid. grease                               |
| Specific Physical Form:                | Grease                                      |
| Colour                                 | Light White                                 |
| Odor                                   | Odourless                                   |
| Odour threshold                        | No data available.                          |
| Melting point/freezing point           | No data available.                          |
| Boiling point/boiling range            | Not applicable.                             |
| Flammability (solid, gas)              | Not classified                              |
| Flammable Limits(LEL)                  | No data available.                          |
| Flammable Limits(UEL)                  | No data available.                          |
| Flash point                            | No flash point                              |
| Autoignition temperature               | No data available.                          |
| Decomposition temperature              | No data available.                          |
| pH                                     | substance/mixture is non-soluble (in water) |
| Kinematic Viscosity                    | No data available.                          |
| Water solubility                       | Nil                                         |
| Solubility- non-water                  | No data available.                          |
| Partition coefficient: n-octanol/water | No data available.                          |
| Vapour pressure                        | Not applicable.                             |
| Density                                | No data available.                          |
| Relative density                       | 1.02 - 1.6 [Ref Std: WATER=1]               |
| Relative Vapour Density                | Not applicable.                             |

**9.2. Other information**

**9.2.2 Other safety characteristics**

|                               |                           |
|-------------------------------|---------------------------|
| Average particle size         | <i>No data available.</i> |
| Bulk density                  | <i>No data available.</i> |
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate              | <i>Not applicable.</i>    |
| Molecular weight              | <i>No data available.</i> |
| Percent volatile              | <i>No data available.</i> |
| Softening point               | <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**

Not determined

**10.5 Incompatible materials**

Strong oxidising agents.

Strong acids.

Strong bases.

Reducing agents.

**10.6 Hazardous decomposition products****Substance****Condition**

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

**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 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 |
| SILICONE GREASE                                     | Dermal                         | Rabbit  | LD50 > 19,400 mg/kg                            |
| SILICONE GREASE                                     | Ingestion                      | Rat     | LD50 > 17,000 mg/kg                            |
| Synthetic amorphous silica, fumed, crystalline free | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                             |
| Synthetic amorphous silica, fumed, crystalline free | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                              |
| Synthetic amorphous silica, fumed, crystalline free | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                             |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                                | Species | Value                     |
|-----------------------------------------------------|---------|---------------------------|
| SILICONE GREASE                                     | Rabbit  | No significant irritation |
| Synthetic amorphous silica, fumed, crystalline free | Rabbit  | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                                | Species | Value                     |
|-----------------------------------------------------|---------|---------------------------|
| SILICONE GREASE                                     | Rabbit  | No significant irritation |
| Synthetic amorphous silica, fumed, crystalline free | Rabbit  | No significant irritation |

**Skin Sensitisation**

| Name                                                | Species          | Value          |
|-----------------------------------------------------|------------------|----------------|
| Synthetic amorphous silica, fumed, crystalline free | Human and animal | Not classified |

**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         |
|-----------------------------------------------------|----------|---------------|
| Synthetic amorphous silica, fumed, crystalline free | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name                                                | Route          | Species | Value                                                                        |
|-----------------------------------------------------|----------------|---------|------------------------------------------------------------------------------|
| Synthetic amorphous silica, fumed, crystalline free | Not specified. | Mouse   | Some positive data exist, but the data are not sufficient for classification |

**Reproductive Toxicity****Reproductive and/or Developmental Effects**

**Silicone lubricant**

| Name                                                | Route     | Value                                  | Species | Test result           | Exposure Duration    |
|-----------------------------------------------------|-----------|----------------------------------------|---------|-----------------------|----------------------|
| Synthetic amorphous silica, fumed, crystalline free | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Synthetic amorphous silica, fumed, crystalline free | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Synthetic amorphous silica, fumed, crystalline free | 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 is currently available or the data is not sufficient for classification.

**Specific Target Organ Toxicity - repeated exposure**

| Name                                                | Route      | Target Organ(s)                | Value          | Species | Test result         | Exposure Duration     |
|-----------------------------------------------------|------------|--------------------------------|----------------|---------|---------------------|-----------------------|
| Synthetic amorphous silica, fumed, crystalline free | Inhalation | respiratory system   silicosis | Not classified | Human   | NOAEL Not available | occupational 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**

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              |
|-----------------------------------------------------|-------------|-------------------|-------------------------------------------------------|----------|---------------|--------------------------|
| SILICONE GREASE                                     | 63148-62-9  | N/A               | Data not available or insufficient for classification | N/A      | N/A           | N/A                      |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Green algae       | Analogous Compound                                    | 72 hours | ErC50         | >173.1 mg/l              |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Sediment organism | Analogous Compound                                    | 96 hours | EC50          | 8,500 mg/kg (Dry Weight) |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Water flea        | Analogous Compound                                    | 24 hours | EL50          | >10,000 mg/l             |
| Synthetic amorphous silica, fumed, crystalline      | 112945-52-5 | Zebra Fish        | Analogous Compound                                    | 96 hours | LL50          | >10,000 mg/l             |

|                                                     |             |                  |                    |          |      |             |
|-----------------------------------------------------|-------------|------------------|--------------------|----------|------|-------------|
| free                                                |             |                  |                    |          |      |             |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Green algae      | Analogous Compound | 72 hours | NOEC | 173.1 mg/l  |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Water flea       | Analogous Compound | 21 days  | NOEC | 68 mg/l     |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Activated sludge | Experimental       | 3 hours  | EC50 | >1,000 mg/l |

## 12.2. Persistence and degradability

| Material                                            | CAS Nbr     | Test type                         | Duration | Study Type | Test result | Protocol |
|-----------------------------------------------------|-------------|-----------------------------------|----------|------------|-------------|----------|
| SILICONE GREASE                                     | 63148-62-9  | Data not available - insufficient | N/A      | N/A        | N/A         | N/A      |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Data not available - insufficient | N/A      | N/A        | N/A         | N/A      |

## 12.3 : Bioaccumulative potential

| Material                                            | Cas No.     | Test type                                             | Duration | Study Type | Test result | Protocol |
|-----------------------------------------------------|-------------|-------------------------------------------------------|----------|------------|-------------|----------|
| SILICONE GREASE                                     | 63148-62-9  | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A      |
| Synthetic amorphous silica, fumed, crystalline free | 112945-52-5 | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A      |

## 12.4. Mobility in soil

No test data available.

## 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.

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.

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)**

070699

Wastes not otherwise specified

**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</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 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>                                                       | 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****Global inventory status**

Contact 3M for more 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 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.

**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**

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.

|                                      |
|--------------------------------------|
| <b>SECTION 16: Other information</b> |
|--------------------------------------|

**Revision information:**

No revision information

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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.



## Safety Data Sheet

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**Revision date:** 17/09/2024

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**Supersedes date:** 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): &gt;= 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

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

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

## 9.2. Other information

### 9.2.2 Other safety characteristics

|                               |                    |
|-------------------------------|--------------------|
| EU Volatile Organic Compounds | No data available. |
| Evaporation rate              | No data available. |
| Molecular weight              | No data available. |

## 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



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| 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 | premating & 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         |

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|  |  |                                        |  |  |  |  |
|--|--|----------------------------------------|--|--|--|--|
|  |  | 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 |

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|                        |           |                             |         |                                |                       |                               |
|------------------------|-----------|-----------------------------|---------|--------------------------------|-----------------------|-------------------------------|
| 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

##### Ingredient

##### CAS Nbr

##### Classification

##### Regulation

(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

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.

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