



## Safety Data Sheet

Copyright,2021, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
| <b>Document group:</b> | 19-1954-7  | <b>Version number:</b>  | 14.02      |
| <b>Revision date:</b>  | 08/07/2021 | <b>Supersedes date:</b> | 18/09/2020 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

#### 1.1. Product identifier

3M Perfect-It III 09377 Finishing Glaze

#### Product Identification Numbers

UU-0063-8349-9

7100095153

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

##### Identified uses

Automotive.

#### 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

CLP REGULATION (EC) No 1272/2008

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

##### CLASSIFICATION:

This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

**2.2. Label elements****CLP REGULATION (EC) No 1272/2008**

Not applicable

**SUPPLEMENTAL INFORMATION:****Supplemental Hazard Statements:**

EUH210

Safety data sheet available on request.

**2.3. Other hazards**

Contains a substance that meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII    Contains a substance that meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII

**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]</b> |
|--|--|----------|--|
| Non-Hazardous Ingredients  | Mixture  | 65 - 80  | Substance not classified as hazardous                                  |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | (EC-No.) 926-141-6<br>(REACH-No.) 01-2119456620-43 | 5 - 10   | Asp. Tox. 1, H304<br>EUH066  |
| Carnauba wax   | (CAS-No.) 8015-86-9<br>(EC-No.) 232-399-4          | 1 - 5    | Substance not classified as hazardous                                  |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | (EC-No.) 919-857-5<br>(REACH-No.) 01-2119463258-33 | 1 - 3    | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>STOT SE 3, H336<br>EUH066   |
| White mineral oil (petroleum)  | (CAS-No.) 8042-47-5<br>(EC-No.) 232-455-8          | 1 - 3    | Asp. Tox. 1, H304  |
| Decamethylcyclopentasiloxane   | (CAS-No.) 541-02-6<br>(EC-No.) 208-764-9           | 1 - 3    | Aquatic Chronic 4, H413  |
| Titanium dioxide   | (CAS-No.) 13463-67-7<br>(EC-No.) 236-675-5         | < 1      | Carc. 2, H351 (inhalation)   |

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

Wash with soap and water. If you are concerned, get medical advice.

##### 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

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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

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

Closed containers exposed to heat from fire may build pressure and explode.

#### Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u>   |
|------------------|--------------------|
| Hydrocarbons.    | During combustion. |
| formaldehyde     | During combustion. |
| Carbon monoxide  | During combustion. |
| Carbon dioxide.  | During combustion. |

#### 5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. 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. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. 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 with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. 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. Do not handle until all safety precautions have been read and understood. 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. Avoid release to the environment. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

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

Store in a well-ventilated place. Keep cool. Store away from heat. 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**

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> |
|-------------------|----------------|---------------|--|----------------------------|
| Titanium dioxide  | 13463-67-7     | UK HSC        | TWA(respirable):4<br>mg/m <sup>3</sup> ;TWA(Inhalable):10<br>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.

**Recommended monitoring procedures:**Information on recommended monitoring procedures can be obtained from UK HSC

**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.

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

| Material        | Thickness (mm)    | Breakthrough Time |
|-----------------|-------------------|-------------------|
| Nitrile rubber. | No data available | No data available |

### Applicable Norms/Standards

Use gloves tested to EN 374

### 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 and particulates

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 types A & P

## SECTION 9: Physical and chemical properties

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

|  |  |
|--|--|
| Physical state                         | Liquid.                                      |
| Specific Physical Form:                | Thixotropic liquid.                          |
| Colour                                 | White  |
| Odor                                   | Aromatic Odor                                |
| Odour threshold                        | <i>No data available.</i>                    |
| Melting point/freezing point           | <i>Not applicable.</i>                       |
| Boiling point/boiling range            | <i>No data available.</i>                    |
| Flammability (solid, gas)              | Not applicable.                              |
| Flammable Limits(LEL)                  | <i>No data available.</i>                    |
| Flammable Limits(UEL)                  | <i>No data available.</i>                    |
| Flash point                            | 70 - 80 °C [ <i>Test Method:Closed Cup</i> ] |
| Autoignition temperature               | <i>No data available.</i>                    |
| Decomposition temperature              | <i>No data available.</i>                    |
| pH                                     | 8 - 8.4                                      |
| Kinematic Viscosity                    | 8,673.4693877551 mm <sup>2</sup> /sec        |
| Water solubility                       | <i>Not applicable.</i>                       |
| Solubility- non-water                  | <i>No data available.</i>                    |
| Partition coefficient: n-octanol/water | <i>No data available.</i>                    |
| Vapour pressure                        | <i>No data available.</i>                    |
| Density                                | 0.98 g/ml                                    |

Relative density 0.96 - 1 [Ref Std: WATER=1]  
Relative Vapor Density No data available.

## 9.2. Other information

### 9.2.2 Other safety characteristics

EU Volatile Organic Compounds No data available.  
Evaporation rate No data available.  
Percent volatile 12.1 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.  
High shear and high temperature conditions  
Sparks and/or flames.

### 10.5 Incompatible materials

Alkali and alkaline earth metals.

### 10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| 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 EU 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 internal hazard assessments.

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 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

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**

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

**Additional Health Effects:**

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

**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  | Dermal                         |                        | No data available; calculated ATE >5,000 mg/kg |
| 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-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Inhalation-Vapour              | Professional judgement | LC50 estimated to be 20 - 50 mg/l              |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Dermal                         | Rabbit                 | LD50 > 5,000 mg/kg                             |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                             |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Inhalation-Vapour              | Professional judgement | LC50 estimated to be 20 - 50 mg/l              |
| Decamethylcyclopentasiloxane   | Dermal                         | Rabbit                 | LD50 > 15,000 mg/kg                            |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Dermal                         | Rabbit                 | LD50 > 5,000 mg/kg                             |
| Decamethylcyclopentasiloxane   | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 8.7 mg/l                                  |
| Decamethylcyclopentasiloxane   | Ingestion                      | Rat                    | LD50 > 24,134 mg/kg                            |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                             |
| Carnauba wax   | Dermal                         |                        | LD50 estimated to be > 5,000 mg/kg             |
| Carnauba wax   | Ingestion                      | Rat                    | LD50 > 8,800 mg/kg                             |
| White mineral oil (petroleum)  | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                             |
| White mineral oil (petroleum)  | Ingestion                      | Rat                    | LD50 > 5,000 mg/kg                             |
| Titanium dioxide   | Dermal                         | Rabbit                 | LD50 > 10,000 mg/kg                            |
| Titanium dioxide   | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 5.09 mg/l                               |
| Titanium dioxide   | Ingestion                      | Rat                    | LD50 > 10,000 mg/kg                            |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name   | Species | Value              |
|--|---------|--------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Rabbit  | Minimal irritation |

|  |                        |                           |
|--|------------------------|---------------------------|
| Decamethylcyclopentasiloxane   | Rabbit                 | No significant irritation |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Rabbit                 | Mild irritant             |
| Carnauba wax   | Professional judgement | No significant irritation |
| White mineral oil (petroleum)  | Rabbit                 | No significant irritation |
| Titanium dioxide   | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name   | Species                | Value                     |
|--|------------------------|---------------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Rabbit                 | Mild irritant             |
| Decamethylcyclopentasiloxane   | Rabbit                 | No significant irritation |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Rabbit                 | Mild irritant             |
| Carnauba wax   | Professional judgement | No significant irritation |
| White mineral oil (petroleum)  | Rabbit                 | Mild irritant             |
| Titanium dioxide   | Rabbit                 | No significant irritation |

### Skin Sensitisation

| Name   | Species    | Value          |
|--|------------|----------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Guinea pig | Not classified |
| Decamethylcyclopentasiloxane   | Mouse      | Not classified |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Guinea pig | Not classified |
| White mineral oil (petroleum)  | Guinea pig | Not classified |
| Titanium dioxide   | Guinea pig | 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         |
|--|----------|---------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | In Vitro | Not mutagenic |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | In vivo  | Not mutagenic |
| Decamethylcyclopentasiloxane   | In Vitro | Not mutagenic |
| Decamethylcyclopentasiloxane   | In vivo  | Not mutagenic |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | In Vitro | Not mutagenic |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | In vivo  | Not mutagenic |
| White mineral oil (petroleum)  | In Vitro | Not mutagenic |

### Carcinogenicity

| Name   | Route          | Species                 | Value  |
|--|----------------|-------------------------|--|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not available           | Not carcinogenic   |
| Decamethylcyclopentasiloxane   | Inhalation     | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Not specified. | Not available           | Not carcinogenic   |
| White mineral oil (petroleum)  | Dermal         | Mouse                   | Not carcinogenic   |
| White mineral oil (petroleum)  | Inhalation     | Multiple animal species | Not carcinogenic   |
| Titanium dioxide   | Inhalation     | Rat                     | Carcinogenic.  |



## Reproductive Toxicity

### Reproductive and/or Developmental Effects

| Name   | Route          | Value                                  | Species | Test result           | Exposure Duration |
|--|----------------|--|---------|-----------------------|-------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for female reproduction | Rat     | NOAEL Not available   | 1 generation      |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for male reproduction   | Rat     | NOAEL Not available   | 1 generation      |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Not specified. | Not classified for development         | Rat     | NOAEL Not available   | 1 generation      |
| Decamethylcyclopentasiloxane   | Inhalation     | Not classified for female reproduction | Rat     | NOAEL 2.43 mg/l       | 2 generation      |
| Decamethylcyclopentasiloxane   | Inhalation     | Not classified for male reproduction   | Rat     | NOAEL 2.43 mg/l       | 2 generation      |
| Decamethylcyclopentasiloxane   | Inhalation     | Not classified for development         | Rat     | NOAEL 2.43 mg/l       | 2 generation      |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Not specified. | Not classified for female reproduction | Rat     | NOAEL Not available   | 1 generation      |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Not specified. | Not classified for male reproduction   | Rat     | NOAEL Not available   | 28 days           |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Not specified. | Not classified for development         | Rat     | NOAEL Not available   | during gestation  |
| White mineral oil (petroleum)  | Ingestion      | Not classified for female reproduction | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks          |
| White mineral oil (petroleum)  | Ingestion      | Not classified for male reproduction   | Rat     | NOAEL 4,350 mg/kg/day | 13 weeks          |
| White mineral oil (petroleum)  | Ingestion      | Not classified for development         | Rat     | NOAEL 4,350 mg/kg/day | during gestation  |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name   | Route      | Target Organ(s)                   | Value                             | Species          | Test result         | Exposure Duration |
|--|------------|-----------------------------------|-----------------------------------|------------------|---------------------|-------------------|
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available |                   |

#### Specific Target Organ Toxicity - repeated exposure

| Name                          | Route      | Target Organ(s)   | Value          | Species | Test result           | Exposure Duration |
|-------------------------------|------------|---|----------------|---------|-----------------------|-------------------|
| Decamethylcyclopentasiloxane  | Dermal     | hematopoietic system   eyes   | Not classified | Rat     | NOAEL 1,600 mg/kg/day | 28 days           |
| Decamethylcyclopentasiloxane  | Inhalation | hematopoietic system   respiratory system   liver   eyes   kidney and/or bladder                  | Not classified | Rat     | NOAEL 2.42 mg/l       | 2 years           |
| Decamethylcyclopentasiloxane  | Ingestion  | liver   immune system   respiratory system   heart   hematopoietic system   kidney and/or bladder | Not classified | Rat     | NOAEL 1,000 mg/kg/day | 90 days           |
| White mineral oil (petroleum) | Ingestion  | hematopoietic system  | Not classified | Rat     | NOAEL 1,381 mg/kg/day | 90 days           |
| White mineral oil (petroleum) | Ingestion  | liver   immune system   | Not classified | Rat     | NOAEL 1,336           | 90 days           |

|  |  |  |  |  |           |  |
|--|--|--|--|--|-----------|--|
|  |  |  |  |  | mg/kg/day |  |
|--|--|--|--|--|-----------|--|

**Aspiration Hazard**

| Name   | Value             |
|--|-------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | Aspiration hazard |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics  | Aspiration hazard |
| White mineral oil (petroleum)  | 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 EU 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-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green Algae      | Experimental  | 72 hours | EL50          | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Rainbow trout    | Experimental  | 96 hours | LL50          | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Water flea       | Experimental  | 48 hours | EL50          | >1,000 mg/l |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6 | Green Algae      | Experimental  | 72 hours | NOEL          | 1,000 mg/l  |
| Carnauba wax   | 8015-86-9 |                  | Data not available or insufficient for classification |          |               | N/A         |
| Decamethylcyclopentasiloxane   | 541-02-6  | Activated sludge | Experimental  | 3 hours  | EC50          | >2,000 mg/l |
| Decamethylcyclopentasiloxane   | 541-02-6  | Green Algae      | Experimental  | 96 hours | EC50          | >100 mg/l   |
| Decamethylcyclopentasiloxane   | 541-02-6  | Rainbow trout    | Experimental  | 96 hours | LC50          | >100 mg/l   |
| Decamethylcyclopentasiloxane   | 541-02-6  | Water flea       | Experimental  | 48 hours | EC50          | >100 mg/l   |
| Decamethylcyclopentasiloxane   | 541-02-6  | Green Algae      | Experimental  | 96 hours | NOEC          | 100 mg/l    |
| Decamethylcyclopentasiloxane   | 541-02-6  | Rainbow trout    | Experimental  | 90 days  | NOEC          | 100 mg/l    |
| Decamethylcyclopentasiloxane   | 541-02-6  | Water flea       | Experimental  | 21 days  | NOEC          | 100 mg/l    |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes,                         | 919-857-5 |                  | Data not available or insufficient for                |          |               | N/A         |

|                               |            |                  |                |          |                                |            |
|-------------------------------|------------|------------------|----------------|----------|--------------------------------|------------|
| cyclics, < 2% aromatics       |            |                  | classification |          |                                |            |
| White mineral oil (petroleum) | 8042-47-5  | Water flea       | Estimated      | 48 hours | EL50                           | >100 mg/l  |
| White mineral oil (petroleum) | 8042-47-5  | Bluegill         | Experimental   | 96 hours | LL50                           | >100 mg/l  |
| White mineral oil (petroleum) | 8042-47-5  | Green algae      | Estimated      | 72 hours | NOEL                           | 100 mg/l   |
| White mineral oil (petroleum) | 8042-47-5  | Water flea       | Estimated      | 21 days  | NOEL                           | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Activated sludge | Experimental   | 3 hours  | NOEC                           | 1,000 mg/l |
| Titanium dioxide              | 13463-67-7 | Goldfish         | Experimental   | 96 hours | No tox obs at lmt of water sol | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Green Algae      | Experimental   | 72 hours | No tox obs at lmt of water sol | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Water flea       | Experimental   | 48 hours | No tox obs at lmt of water sol | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Green Algae      | Experimental   | 72 hours | No tox obs at lmt of water sol | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Water flea       | Experimental   | 21 days  | No tox obs at lmt of water sol | >100 mg/l  |
| Titanium dioxide              | 13463-67-7 | Zebra Fish       | Experimental   | 23 days  | No tox obs at lmt of water sol | >100 mg/l  |

## 12.2. Persistence and degradability

| Material   | CAS Nbr    | Test type                          | Duration | Study Type                    | Test result       | Protocol                            |
|--|------------|------------------------------------|----------|-------------------------------|-------------------|-------------------------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6  | Experimental Biodegradation        | 28 days  | BOD                           | 69 % BOD/ThBOD    | OECD 301F - Manometric respirometry |
| Carnauba wax   | 8015-86-9  | Estimated Biodegradation           | 28 days  | CO2 evolution                 | 96 % weight       | OECD 301B - Modified sturm or CO2   |
| Decamethylcyclpentasiloxane  | 541-02-6   | Experimental Photolysis            |          | Photolytic half-life (in air) | 20.4 days (t 1/2) | Non-standard method                 |
| Decamethylcyclpentasiloxane  | 541-02-6   | Experimental Hydrolysis            |          | Hydrolytic half-life          | 66 days (t 1/2)   | Non-standard method                 |
| Decamethylcyclpentasiloxane  | 541-02-6   | Experimental Biodegradation        | 28 days  | CO2 evolution                 | 0.14 % weight     | OECD 310 CO2 Headspace              |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 919-857-5  | Data not available or insufficient |          |                               | N/A               |                                     |
| White mineral oil (petroleum)  | 8042-47-5  | Experimental Biodegradation        | 28 days  | CO2 evolution                 | 0 % weight        | OECD 301B - Modified sturm or CO2   |
| Titanium dioxide   | 13463-67-7 | Data not available or insufficient |          |                               | N/A               |                                     |

## 12.3 : Bioaccumulative potential

| Material   | Cas No.    | Test type   | Duration | Study Type             | Test result | Protocol   |
|--|------------|---|----------|------------------------|-------------|--|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics | 926-141-6  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A  |
| Carnauba wax   | 8015-86-9  | Estimated Bioconcentration                            |          | Bioaccumulation factor | 7.4         | Estimated: Bioconcentration factor                 |
| Decamethylcyclpentasiloxane  | 541-02-6   | Experimental BCF - Fathead Minnow                     | 35 days  | Bioaccumulation factor | 7060        | OECD 305E - Bioaccumulation flow-through fish test |
| Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 919-857-5  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A  |
| White mineral oil (petroleum)  | 8042-47-5  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A  |
| Titanium dioxide   | 13463-67-7 | Data not available                                    | N/A      | N/A                    | N/A         | N/A  |

|  |  |                                    |  |  |  |  |
|--|--|------------------------------------|--|--|--|--|
|  |  | or insufficient for classification |  |  |  |  |
|--|--|------------------------------------|--|--|--|--|

**12.4. Mobility in soil**

No test data available.

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

| Ingredient                  | CAS Nbr  | PBT/vPvB status          |
|-----------------------------|----------|--------------------------|
| Decamethylcyclpentasiloxane | 541-02-6 | Meets REACH PBT criteria |
| Decamethylcyclpentasiloxane | 541-02-6 | Meets REACH PBT criteria |
| Decamethylcyclpentasiloxane | 541-02-6 | Meets REACH PBT criteria |
| Decamethylcyclpentasiloxane | 541-02-6 | Meets REACH PBT criteria |

**12.6. Endocrine disrupting properties**

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

**12.7. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

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

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)**

120199 Wastes not otherwise specified

**SECTION 14: Transportation information**

Not hazardous for transportation.

|                                     | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|-------------------------------------|------------------------|----------------------|-------------------------|
| <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 Tunnel Code</b>   | No data available.   | Not applicable.  | No data available.   |
| <b>ADR Classification Code</b>   | No data available.   | No data available.   | No data available.   |
| <b>ADR Transport Category</b>  | No data available.   | No data available.   | No data available.   |
| <b>ADR Multiplier</b>  | No data available.   | No data available.   | No data available.   |
| <b>IMDG Segregation Code</b>   | No data available.   | No data available.   | No data available.   |

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

## SECTION 15: Regulatory information

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

#### Carcinogenicity

##### Ingredient

Titanium dioxide

##### CAS Nbr

13463-67-7

##### Classification

Grp. 2B: Possible human  
carc.

##### Regulation

International Agency  
for Research on Cancer

#### Restrictions on the manufacture, placing on the market and use:

The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

**Ingredient**

Decamethylcyclotrasiloxane

**CAS Nbr**

541-02-6

Restriction status: listed in REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

**Authorization status under REACH:**

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

**Ingredient**

Decamethylcyclotrasiloxane

**CAS Nbr**

541-02-6

Authorization status: listed in the Candidate List of Substances of Very High Concern for Authorization

**Global inventory status**

Contact 3M for more information.

**15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

**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.           |
| H336   | May cause drowsiness or dizziness.                      |
| H351i  | Suspected of causing cancer by inhalation.              |
| H413   | May cause long lasting harmful effects to aquatic life. |

**Revision information:**

EU Section 09: pH information information was added.

Section 02: CLP Classification Statements information was added.

Label: CLP Classification information was deleted.

Section 03: Composition table % Column heading information was added.

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

Section 03: Substance not applicable information was added.

Section 04: Information on toxicological effects information was modified.

Section 8: Occupational exposure limit table information was modified.

Section 9: Evaporation Rate information information was deleted.

Section 9: Explosive properties information information was deleted.

Section 09: Kinematic Viscosity information information was added.

Section 9: Melting point information information was modified.

Section 9: Oxidising properties information information was deleted.

Section 9: pH information information was deleted.

Section 9: Property description for optional properties information was modified.

Section 9: Vapour density value information was added.

Section 9: Vapour density value information was deleted.

Section 9: Viscosity information information was deleted.

Section 11: Classification disclaimer information was modified.

Section 11: No endocrine disruptor information available warning information was added.

Section 12: 12.6. Endocrine Disrupting Properties information was added.

Section 12: 12.7. Other adverse effects information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Contact manufacturer for more detail. information was deleted.  
Section 12: No Data text for mobility in soil information was added.  
Section 12: No endocrine disruptor information available warning information was added.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Biocumulative potential information information was modified.  
Section 14 Classification Code – Main Heading information was added.  
Section 14 Classification Code – Regulation Data information was added.  
Section 14 Control Temperature – Main Heading information was added.  
Section 14 Control Temperature – Regulation Data information was added.  
Section 14 Disclaimer Information information was added.  
Section 14 Emergency Temperature – Main Heading information was added.  
Section 14 Emergency Temperature – Regulation Data information was added.  
Section 14 Hazard Class + Sub Risk – Main Heading information was added.  
Section 14 Hazard Class + Sub Risk – Regulation Data information was added.  
Section 14 Hazardous/Not Hazardous for Transportation information was added.  
Section 14 Multiplier – Main Heading information was added.  
Section 14 Multiplier – Regulation Data information was added.  
Section 14 Other Dangerous Goods – Main Heading information was added.  
Section 14 Other Dangerous Goods – Regulation Data information was added.  
Section 14 Packing Group – Main Heading information was added.  
Section 14 Packing Group – Regulation Data information was added.  
Section 14 Proper Shipping Name information was added.  
Section 14 Regulations – Main Headings information was added.  
Section 14 Segregation – Regulation Data information was added.  
Section 14 Segregation Code – Main Heading information was added.  
Section 14 Special Precautions – Main Heading information was added.  
Section 14 Special Precautions – Regulation Data information was added.  
Section 14 Transport Category – Main Heading information was added.  
Section 14 Transport Category – Regulation Data information was added.  
Section 14 Transport in bulk – Regulation Data information was added.  
Section 14 Transport in bulk according to Annex II of Marpol and the IBC Code – Main Heading information was added.  
Section 14 Tunnel Code – Main Heading information was added.  
Section 14 Tunnel Code – Regulation Data information was added.  
Section 14 UN Number Column data information was added.  
Section 14 UN Number information was added.  
Section 15: Regulations - Inventories information was added.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. 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 United Kingdom MSDSs are available at [www.3M.com/uk](http://www.3M.com/uk)**