11/02/2021



## **Safety Information Sheet for Medical Devices**

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A safety data sheet is not required for this Product. This Safety Information Sheet has been created on a voluntary basis.

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

#### 1.1. Product identifier

3M<sup>TM</sup> PERMADYNE Light Body Concistency Base / PERMADYNE PENTA L Base

#### **Product Identification Numbers**

LE-F100-2616-9 LE-FSFD-3001-0

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

#### **Identified uses**

Medical device; refer to Instructions for Use

#### **Restrictions on Use**

For use only by Dental Professionals

## 1.3 Details of the supplier of the safety information sheet for medical devices

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 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.

This product is a medical device as defined in Directive 93/42/EEC (MDD) respectively Regulation (EU) 2017/745 (MDR), which is invasive or used in direct physical contact with the human body, and therefore is exempt from the requirements of classification and labelling according to Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5). Although not

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required, the classification and label information, as applicable, is provided below.

#### **CLASSIFICATION:**

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

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

Reproductive Toxicity, Category 1B - Repr. 1B; H360

Hazardous to the Aquatic Environment (Acute), Category 1 - Aquatic Acute 1; H400 Hazardous to the Aquatic Environment (Chronic), Category 1 - Aquatic Chronic 1; H410

For full text of H phrases, see Section 16.

#### 2.2. Label elements

CLP REGULATION (EC) No 1272/2008

#### **SIGNAL WORD**

DANGER.

#### **Symbols**

GHS07 (Exclamation mark) |GHS08 (Health Hazard) |GHS09 (Environment) |

#### **Pictograms**







#### **Ingredients:**

| Ingredient           | CAS Nbr    | EC No.    | % by Wt |
|----------------------|------------|-----------|---------|
| Aromatic hydrocarbon | 53585-53-8 | 258-649-2 | 10 - 17 |
| Limonene             | 5989-27-5  | 227-813-5 | < 0.2   |
| Laurylimidazole      | 4303-67-7  | 224-314-4 | < 1     |

#### **HAZARD STATEMENTS:**

H319 Causes serious eye irritation. H317 May cause an allergic skin reaction.

H360FD May damage fertility. May damage the unborn child.

H410 Very toxic to aquatic life with long lasting effects.

#### PRECAUTIONARY STATEMENTS

#### **Prevention:**

P201 Obtain special instructions before use.
P273 Avoid release to the environment.

P280E Wear protective gloves.

#### **Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

#### SUPPLEMENTAL INFORMATION:

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## **Supplemental Precautionary Statements:**

Restricted to professional users.

#### 2.3. Other hazards

For information on hazards and safe use, please consider the corresponding sections of this document.

## **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]  |
|--|--|------------|--|
| Polyether  | (CAS-No.) 110531-92-5                      | 60 -<br>80 | Eye Irrit. 2, H319   |
| Fatty acids ester  | (CAS-No.) 67701-27-3<br>(EC-No.) 266-945-8 | 1 - 20     | Substance not classified as hazardous  |
| Aromatic hydrocarbon   | (CAS-No.) 53585-53-8<br>(EC-No.) 258-649-2 | 10 -<br>17 | Asp. Tox. 1, H304 Repr. 1B, H360FD Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=10   |
| Polyglycol   | (CAS-No.) 9003-11-6                        | < 5        | Substance not classified as hazardous  |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | (CAS-No.) 68855-54-9<br>(EC-No.) 272-489-0 | < 5        | STOT RE 2, H373  |
| Limonene   | (CAS-No.) 5989-27-5<br>(EC-No.) 227-813-5  | < 0.2      | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400,M=1<br>Aquatic Chronic 1, H410,M=1<br>Nota C<br>Asp. Tox. 1, H304 |
| Laurylimidazole (REACH Reg. No.:01-2120068170-65)            | (CAS-No.) 4303-67-7<br>(EC-No.) 224-314-4  | < 1        | Aquatic Acute 1, H400,M=100<br>Aquatic Chronic 1, H410,M=10<br>Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>Skin Sens. 1A, H317                             |

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 SIS

## **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

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

#### Eve 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.

## **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

Carbon monoxide Carbon dioxide.

Irritant vapours or gases.

#### 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

Evacuate area. 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 SIS 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.

## **SECTION 7: Handling and storage**

Refer to Instructions for Use (IFU) for more information.

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

#### 8.1 Control parameters

#### Occupational exposure limits

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

**Ingredient CAS Nbr Additional comments** Limit type Agency

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Silicon dioxide 68855-54-9 UK HSC TWA(as respirable dust):2.4

mg/m3;TWA(as inhalable

dust):6 mg/m3

Quartz 68855-54-9 UK HSC TWA(respirable):0.1 mg/m3

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 information sheet.

#### 8.2. Exposure controls

#### 8.2.1. Engineering controls

Use in a well-ventilated area.

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

#### Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

Safety glasses with side shields.

Applicable Norms/Standards

Use eye protection conforming to EN 166

## Skin/hand protection

See Section 7.1 for additional information on skin protection.

#### Respiratory protection

None required.

## **SECTION 9: Physical and chemical properties**

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

Physical stateSolid.Specific Physical Form:PasteColourOrange

OdorCharacteristic OdourMelting point/freezing pointNo data available.Boiling point/boiling rangeNot applicable.Flammability (solid, gas)Not classifiedFlammable Limits(LEL)Not applicable.Flammable Limits(UEL)Not applicable.

Flash point > 93 °C (200 °F)

**Autoignition temperature** *No data available.* 

**Relative density** >= 1 [*Ref Std*:WATER=1]

Substance/mixture is non-soluble (in water)

**Kinematic Viscosity** *No data available.* 

Water solubility Negligible

**Density** No data available.

#### 9.2. Other information

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#### 9.2.2 Other safety characteristics

EU Volatile Organic CompoundsNo data available.Evaporation rateNot applicable.Percent volatileNo 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

Heat.

#### 10.5 Incompatible materials

Strong acids.

Strong bases.

Strong oxidising 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 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

This product may have a characteristic odour; however, no adverse health effects are anticipated.

#### Skin contact

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

#### Eye contact

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

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## Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

#### **Additional Health Effects:**

#### Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

#### Carcinogenicity:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use: 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  | Ingestion                      |                        | No data available; calculated ATE >5,000 mg/kg |
| Polyether  | Dermal                         | Professional judgement | LD50 Not applicable                            |
| Polyether  | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                             |
| Aromatic hydrocarbon   | Dermal                         | Rat                    | LD50 > 2,000 mg/kg                             |
| Aromatic hydrocarbon   | Ingestion                      | Rat                    | LD50 > 10,360 mg/kg                            |
| Fatty acids ester  | Dermal                         | Rabbit                 | LD50 > 2,000 mg/kg                             |
| Fatty acids ester  | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                             |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Dermal                         | Professional judgement | LD50 estimated to be > 5,000 mg/kg             |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Inhalation-Dust/Mist (4 hours) | Rat                    | LC50 > 2.7 mg/l                                |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Ingestion                      | Rat                    | LD50 > 2,000 mg/kg                             |
| Polyglycol   | Dermal                         | Professional judgement | LD50 estimated to be > 5,000 mg/kg             |
| Polyglycol   | Ingestion                      | Rat                    | LD50 5,700 mg/kg                               |
| Laurylimidazole  | Ingestion                      | Rat                    | LD50 641 mg/kg                                 |
| Limonene   | Inhalation-Vapour (4 hours)    | Mouse                  | LC50 > 3.14 mg/l                               |
| Limonene   | Dermal                         | Rabbit                 | LD50 > 5,000 mg/kg                             |
| Limonene   | Ingestion                      | Rat                    | LD50 4,400 mg/kg                               |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name   | Species       | Value                     |
|--|---------------|---------------------------|
|  |               |                           |
| Polyether  | Rabbit        | No significant irritation |
| Aromatic hydrocarbon   | Rabbit        | Mild irritant             |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | In vitro data | No significant irritation |
| Laurylimidazole  | Rabbit        | Mild irritant             |
| Limonene   | Rabbit        | Mild irritant             |

Serious Eve Damage/Irritation

| Name   | Species | Value                     |
|--|---------|---------------------------|
| Polyether  | Rabbit  | Moderate irritant         |
| Aromatic hydrocarbon   | Rabbit  | No significant irritation |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Rabbit  | Mild irritant             |

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| Laurylimidazole | In vitro data | Severe irritant |
|-----------------|---------------|-----------------|
| Limonene        | Rabbit        | Mild irritant   |

#### **Skin Sensitisation**

| Name   | Species    | Value          |
|--|------------|----------------|
|  |            |                |
| Polyether  | Guinea pig | Not classified |
| Aromatic hydrocarbon   | Guinea pig | Not classified |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Mouse      | Not classified |
| Laurylimidazole  | Mouse      | Sensitising    |
| Limonene   | 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** 

| Germ Cen Wutagementy   |          |   |
|--|----------|---|
| Name   | Route    | Value   |
|  |          |   |
| Polyether  | In Vitro | Not mutagenic   |
| Aromatic hydrocarbon   | In Vitro | Not mutagenic   |
| Aromatic hydrocarbon   | In vivo  | Not mutagenic   |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | In Vitro | Some positive data exist, but the data are not sufficient for |
|  |          | classification  |
| Laurylimidazole  | In Vitro | Not mutagenic   |
| Limonene   | In Vitro | Not mutagenic   |
| Limonene   | In vivo  | Not mutagenic   |

Carcinogenicity

| Name   | Route      | Species          | Value  |
|--|------------|------------------|--|
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | Inhalation | Human and animal | Carcinogenic.  |
| Limonene   | 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<br>Duration         |
|----------------------|-----------|--|-------------------------|------------------------|------------------------------|
| Aromatic hydrocarbon | Ingestion | Toxic to male reproduction             | Rat                     | NOAEL 250<br>mg/kg/day | 28 days                      |
| Aromatic hydrocarbon | Ingestion | Toxic to female reproduction           | Rat                     | NOAEL 250<br>mg/kg/day | premating into lactation     |
| Aromatic hydrocarbon | Ingestion | Toxic to development                   | Rabbit                  | LOAEL 10<br>mg/kg/day  | during gestation             |
| Limonene             | Ingestion | Not classified for female reproduction | Rat                     | NOAEL 750<br>mg/kg/day | premating & during gestation |
| Limonene             | Ingestion | Not classified for development         | Multiple animal species | NOAEL 591<br>mg/kg/day | during organogenesis         |

## Target Organ(s)

**Specific Target Organ Toxicity - single exposure** 

| Name                    | Route      | Target Organ(s)        | Value  | Species                   | Test result         | Exposure<br>Duration |
|-------------------------|------------|------------------------|--|---------------------------|---------------------|----------------------|
| Aromatic<br>hydrocarbon | Inhalation | respiratory irritation | Some positive data exist, but<br>the data are not sufficient for<br>classification | similar health<br>hazards | NOAEL not available |                      |
| Limonene                | Ingestion  | nervous system         | Not classified   |                           | NOAEL Not available |                      |

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Specific Target Organ Toxicity - repeated exposure

| Name   | Route      | Target Organ(s)  | Value  | Species | Test result                 | Exposure<br>Duration  |
|--|------------|--|--|---------|-----------------------------|-----------------------|
| Aromatic hydrocarbon   | Ingestion  | liver   kidney and/or bladder   heart   skin   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   hematopoietic system   immune system   muscles   nervous system   eyes   respiratory system   vascular system | Not classified   | Rat     | NOAEL 500<br>mg/kg/day      | 120 days              |
| Diatomaceous earth<br>(respirable cristobalite<br>fraction 1-<10%) | Inhalation | silicosis  | Causes damage to organs through prolonged or repeated exposure | Human   | NOAEL Not<br>available      | occupational exposure |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%)       | Ingestion  | hematopoietic system   eyes  <br>kidney and/or bladder   | Not classified   | Rat     | NOAEL<br>3,738<br>mg/kg/day | 90 days               |
| Limonene   | Ingestion  | kidney and/or bladder  | Not classified   | Rat     | LOAEL 75<br>mg/kg/day       | 103 weeks             |
| Limonene   | Ingestion  | liver  | Not classified   | Mouse   | NOAEL<br>1,000<br>mg/kg/day | 103 weeks             |
| Limonene   | Ingestion  | heart   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   immune system   muscles   nervous system   respiratory system  | Not classified   | Rat     | NOAEL 600<br>mg/kg/day      | 103 weeks             |

**Aspiration Hazard** 

| Name                 | Value             |
|----------------------|-------------------|
| Aromatic hydrocarbon | Aspiration hazard |
| Limonene             | Aspiration hazard |

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

The product was evaluated by a toxicologist to be safe for its intended use.

#### 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    | Туре                  | Exposure | Test endpoint | Test result |
|-------------------|-------------|-------------|-----------------------|----------|---------------|-------------|
| Polyether         | 110531-92-5 |             | Data not available or |          |               | N/A         |
|                   |             |             | insufficient for      |          |               |             |
|                   |             |             | classification        |          |               |             |
| Fatty acids ester | 67701-27-3  | Green algae | Estimated             | 72 hours | EC50          | >100 mg/l   |

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| Fatty acids ester  | 67701-27-3 | Water flea        | Estimated   | 48 hours   | EC50                           | >100 mg/l    |
|--|------------|-------------------|---|------------|--------------------------------|--------------|
| Fatty acids ester  | 67701-27-3 | Zebra Fish        | Estimated   | 96 hours   | LC50                           | >100 mg/l    |
| Fatty acids ester  | 67701-27-3 | Green algae       | Estimated   | 72 hours   | NOEC                           | 100 mg/l     |
| Fatty acids ester  | 67701-27-3 | Water flea        | Estimated   | 21 days    | NOEC                           | 100 mg/l     |
| Aromatic hydrocarbon   | 53585-53-8 | Bacteria          | Experimental  | 4.92 hours | EC10                           | >1,000 mg/l  |
| Aromatic hydrocarbon   | 53585-53-8 | Copepods          | Experimental  | 48 hours   | LC50                           | >0.0206 mg/l |
| Aromatic hydrocarbon   | 53585-53-8 | Green algae       | Experimental  | 96 hours   | EC50                           | 0.019 mg/l   |
| Aromatic hydrocarbon   | 53585-53-8 | Water flea        | Experimental  | 48 hours   | EC50                           | >0.029 mg/l  |
| Aromatic hydrocarbon   | 53585-53-8 | Zebra Fish        | Experimental  | 96 hours   | No tox obs at lmt of water sol | >100 mg/l    |
| Aromatic hydrocarbon   | 53585-53-8 | Green algae       | Experimental  | 96 hours   | EC10                           | 0.006 mg/l   |
| Aromatic hydrocarbon   | 53585-53-8 | Water flea        | Experimental  | 21 days    | NOEC                           | 0.03 mg/l    |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | 68855-54-9 |                   | Data not available or insufficient for classification |            |                                | N/A          |
| Polyglycol   | 9003-11-6  |                   | Data not available or insufficient for classification |            |                                | N/A          |
| Limonene   | 5989-27-5  | Fathead<br>minnow | Experimental  | 96 hours   | LC50                           | 0.702 mg/l   |
| Limonene   | 5989-27-5  | Green Algae       | Experimental  | 72 hours   | EC50                           | 0.32 mg/l    |
| Limonene   | 5989-27-5  | Water flea        | Experimental  | 48 hours   | EC50                           | 0.307 mg/l   |
| Limonene   | 5989-27-5  | Green Algae       | Experimental  | 72 hours   | EC10                           | 0.174 mg/l   |
| Limonene   | 5989-27-5  | Water flea        | Experimental  | 21 days    | NOEC                           | 0.08 mg/l    |
| Laurylimidazole  | 4303-67-7  | Green Algae       | Experimental  | 72 hours   | EC50                           | 0.00557 mg/l |
| Laurylimidazole  | 4303-67-7  | Water flea        | Experimental  | 48 hours   | EC50                           | >100 mg/l    |
| Laurylimidazole  | 4303-67-7  | Green algae       | Experimental  | 72 hours   | EC10                           | 0.0021 mg/l  |

## 12.2. Persistence and degradability

| Material   | CAS Nbr     | Test type                         | Duration | Study Type    | Test result        | Protocol                             |
|--|-------------|-----------------------------------|----------|---------------|--------------------|--------------------------------------|
| Polyether  | 110531-92-5 | Data not availbl-<br>insufficient |          |               | N/A                |                                      |
| Fatty acids ester  | 67701-27-3  | Estimated Biodegradation          | 28 days  | BOD           | 79 %<br>BOD/ThBOD  | OECD 301F - Manometric respirometry  |
| Aromatic hydrocarbon   | 53585-53-8  | Experimental<br>Biodegradation    | 28 days  | BOD           | 0.5 %<br>BOD/ThBOD | OECD 301D - Closed bottle test       |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | 68855-54-9  | Data not availbl-<br>insufficient |          |               | N/A                |                                      |
| Polyglycol   | 9003-11-6   | Data not availbl-<br>insufficient |          |               | N/A                |                                      |
| Limonene   | 5989-27-5   | Experimental<br>Biodegradation    | 14 days  | BOD           | 98 %<br>BOD/ThBOD  | OECD 301C - MITI test (I)            |
| Laurylimidazole  | 4303-67-7   | Experimental<br>Biodegradation    | 28 days  | CO2 evolution | 2-3 % weight       | OECD 301B - Modified<br>sturm or CO2 |

## 12.3 : Bioaccumulative potential

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| Material   | Cas No.     | Test type   | Duration | Study Type             | Test result | Protocol  |
|--|-------------|---|----------|------------------------|-------------|---|
| Polyether  | 110531-92-5 | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A   |
| Fatty acids ester  | 67701-27-3  | Estimated Bioconcentration                            |          | Bioaccumulation factor | 7.4         | Non-standard method                                       |
| Aromatic hydrocarbon   | 53585-53-8  | Experimental BCF-<br>Carp                             | 56 days  | Bioaccumulation factor | 6300        | OECD 305E -<br>Bioaccumulation flow-<br>through fish test |
| Diatomaceous earth (respirable cristobalite fraction 1-<10%) | 68855-54-9  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A   |
| Polyglycol   | 9003-11-6   | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A   |
| Limonene   | 5989-27-5   | Estimated<br>Bioconcentration                         |          | Bioaccumulation factor | 2100        | Estimated:<br>Bioconcentration factor                     |
| Laurylimidazole  | 4303-67-7   | Estimated Bioconcentration                            |          | Bioaccumulation factor | 3090        | Estimated:<br>Bioconcentration factor                     |

## 12.4. Mobility in soil

| Material             | Cas No.    | Test type        | Study Type | Test result    | Protocol                  |
|----------------------|------------|------------------|------------|----------------|---------------------------|
| Fatty acids ester    | 67701-27-3 | Estimated        | Koc        | 10,000,000,000 | Episuite <sup>TM</sup>    |
|                      |            | Mobility in Soil |            | l/kg           |                           |
| Aromatic hydrocarbon | 53585-53-8 | Experimental     | Koc        | 35,300 l/kg    | OECD 121 Estim. of Koc by |
| -                    |            | Mobility in Soil |            |                | HPLC                      |

#### 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. 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.

Refer to Instructions for Use (IFU) for more information.

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

180106\* Chemicals consisting of or containing dangerous substances.

## **SECTION 14: Transportation information**

Not hazardous for transportation.

| Ground Transport (ADR) | Air Transport (IATA) | Marine Transport<br>(IMDG) |
|------------------------|----------------------|----------------------------|
|------------------------|----------------------|----------------------------|

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| No data available.   | No Data Available  | No Data Available  |
|--|--|--|
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| 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.   |
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| No data available.   | Not Applicable   | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
| No data available.   | No Data Available  | No Data Available  |
|  | No data available.  No data available.  No data available.  No data available.  Please refer to the other sections of the SDS for further information.  No data available.  No data available. | No data available.  No Data Available  No data available.  No Data Available  No data available.  No Data Available  No Data Available  No Data Available  Please refer to the other sections of the SDS for further information.  No data available.  No Data Available  No Data Available  No Data Available  No Data Available  No data available.  No Data Available  No Data Available  No data available.  No Data Available  No Data Available  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

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## 3M<sup>TM</sup> PERMADYNE Light Body Concistency Base / PERMADYNE PENTA L Base 11/02/2021

#### Carcinogenicity

Contact the manufacturer for more information

#### Global inventory status

Contact the manufacturer for more information

## **SECTION 16: Other information**

#### List of relevant H statements

| H226   | Flammable liquid and vapour.                                       |
|--------|--|
| H302   | Harmful if swallowed.  |
| H304   | May be fatal if swallowed and enters airways.                      |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.                               |
| H319   | Causes serious eye irritation.                                     |
| H360FD | May damage fertility. May damage the unborn child.                 |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.              |

#### **Revision information:**

A revision has been performed due to the need to update the safety information for the medical device.

The product to which this Safety Information Sheet applies is classified as a medical device according to the EU Medical Device Regulation EU 2017/745. \_x000D\_

Medical devices which are invasive or used in direct physical contact with the human body are exempt from the requirements of classification and labelling according to Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5).\_x000D\_ The EU Medical Device Regulation does not foresee the use of Safety Data sheets for medical devices which are invasive or used in direct physical contact with the human body, as the safe use of the product is described through the Instructions for Use and /or the labelling for the product. Nevertheless, the 3M Safety Information Sheet is provided as a further service to customers to provide additional toxicology and chemical information on the product. In case of further questions, please contact your 3M representative listed on the Safety Information Sheet.

3M United Kingdom Safety Information Sheets are available at www.3M.com/uk

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