



## Safety Data Sheet

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

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

#### 1.1. Product identifier

3M™ Hot Melt Adhesive 3748PG, 3748TC, 3748Q, 3748B Off-White

#### Product Identification Numbers

62-3748-9132-3      62-3748-9330-3

7000000878      7100005566

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

##### Identified uses

Product

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

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| <b>Address:</b>   | 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2 |
| <b>Telephone:</b> | +353 1 280 3555                                                   |
| <b>E Mail:</b>    | ner-productstewardship@mmm.com                                    |
| <b>Website:</b>   | www.3M.com                                                        |

#### 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.

#### 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 Precautionary Statements:**

Avoid contact with hot extruded molten material or applicator tip. Avoid direct eye exposure to vapours. In case of eye/skin contact with molten material, immediately flush with cold water and cover with a clean dressing. Do not attempt to remove molten material. Have burn treated by a physician.

26% of the mixture consists of components of unknown acute oral toxicity.

26% of the mixture consists of components of unknown acute dermal toxicity.

**2.3. Other hazards**

May cause thermal burns.

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]</b> |
|----------------------------|---------------------------------------------------------------------------|----------|------------------------------------------------------------------------|
| Polypropylene              | (CAS-No.) 9003-07-0                                                       | 15 - 40  | Substance not classified as hazardous                                  |
| Hydrocarbon resin          | Trade Secret                                                              | 10 - 30  | Substance not classified as hazardous                                  |
| Styrene-Butadiene Polymer  | Trade Secret                                                              | 10 - 30  | Substance not classified as hazardous                                  |
| Polyethylene               | (CAS-No.) 9002-88-4                                                       | 1 - 25   | Substance not classified as hazardous                                  |
| Ethylene-Propylene Polymer | (CAS-No.) 9010-79-1                                                       | 1 - 25   | Substance not classified as hazardous                                  |
| Polyolefin Wax             | (CAS-No.) 8002-74-2<br>(EC-No.) 232-315-6<br>(REACH-No.) 01-2119488076-30 | 5 - 10   | Substance with a national occupational exposure limit                  |
| Non-Hazardous Additives    | Trade Secret                                                              | < 2      | Substance not classified as hazardous                                  |

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**

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

#### **Skin contact**

Immediately flush skin with large amounts of cold water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Cover affected area with a clean dressing. Get immediate medical attention.

#### **Eye contact**

Immediately flush eyes with large amounts of water for at least 15 minutes. DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Get immediate 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**

| <u><b>Substance</b></u> | <u><b>Condition</b></u> |
|-------------------------|-------------------------|
| Aldehydes.              | During combustion.      |
| Hydrocarbons.           | During combustion.      |
| Carbon monoxide         | During combustion.      |
| Carbon dioxide.         | During combustion.      |
| Ketones.                | During combustion.      |
| Oxides of nitrogen.     | 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. Observe precautions from other sections. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

#### **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

Avoid skin contact with hot material. For industrial/occupational use only. Not for consumer sale or use.

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

No special storage requirements.

### 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.

| Ingredient     | Identifier(s) Agency   | Limit type                                                                               | Additional comments |
|----------------|------------------------|------------------------------------------------------------------------------------------|---------------------|
| Polyolefin Wax | 8002-74-2 Ireland OELs | TWA(as fume)(8 hours):2 mg/m <sup>3</sup> ;STEL(as fume)(15 minutes):6 mg/m <sup>3</sup> |                     |

Ireland OELs : Ireland. OELs  
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 Indust. Inspect./Ministry (IE)

### 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 chemical protective gloves are required.

**Respiratory protection**

None required.

**Thermal hazards**

Wear heat insulating gloves, indirect vented goggles, and a full face shield when handling hot material to prevent thermal burns.

*Applicable Norms/Standards*

Use gloves tested to EN 407

## SECTION 9: Physical and chemical properties

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

|                                               |                                                    |
|-----------------------------------------------|----------------------------------------------------|
| <b>Physical state</b>                         | Solid.                                             |
| <b>Specific Physical Form:</b>                | Waxy Solid                                         |
| <b>Colour</b>                                 | Off-White                                          |
| <b>Odor</b>                                   | Mild Resinous                                      |
| <b>Odour threshold</b>                        | <i>No data available.</i>                          |
| <b>Melting point/freezing point</b>           | <i>No data available.</i>                          |
| <b>Boiling point/boiling range</b>            | <i>Not applicable.</i>                             |
| <b>Flammability</b>                           | Not applicable.                                    |
| <b>Flammable Limits(LEL)</b>                  | <i>Not applicable.</i>                             |
| <b>Flammable Limits(UEL)</b>                  | <i>Not applicable.</i>                             |
| <b>Flash point</b>                            | 280 °C [ <i>Test Method:</i> Cleveland Open Cup]   |
| <b>Autoignition temperature</b>               | 330 °C                                             |
| <b>Decomposition temperature</b>              | <i>No data available.</i>                          |
| <b>pH</b>                                     | <i>substance/mixture is non-soluble (in water)</i> |
| <b>Kinematic Viscosity</b>                    | 5,435 mm <sup>2</sup> /sec                         |
| <b>Water solubility</b>                       | Nil                                                |
| <b>Solubility- non-water</b>                  | <i>No data available.</i>                          |
| <b>Partition coefficient: n-octanol/water</b> | <i>No data available.</i>                          |
| <b>Density</b>                                | 0.92 - 0.94 g/cm <sup>3</sup>                      |
| <b>Relative density</b>                       | 0.92 - 0.94 [ <i>Ref Std:</i> WATER=1]             |
| <b>Relative Vapour Density</b>                | Nil                                                |
| <b>Particle Characteristics</b>               | <i>Not applicable.</i>                             |

**9.2. Other information****9.2.2 Other safety characteristics**

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>EU Volatile Organic Compounds</b> | <i>No data available.</i> |
| <b>Evaporation rate</b>              | <i>Not applicable.</i>    |
| <b>Molecular weight</b>              | <i>No data available.</i> |
| <b>Percent volatile</b>              | 0 % weight                |
| <b>Solids content</b>                | 100 %                     |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

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

**10.2 Chemical stability**

Stable.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

None known.

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

None known.

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**

No health effects are expected.

**Skin contact**

Thermal burns: Signs/symptoms may include intense pain, redness and swelling, and tissue destruction.

**Eye contact**

Thermal burns: Signs/symptoms may include severe pain, redness and swelling, and tissue destruction.

**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 | Dermal    |         | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion |         | No data available; calculated ATE >5,000 mg/kg |
| Polypropylene   | Dermal    |         | LD50 estimated to be > 5,000 mg/kg             |
| Polypropylene   | Ingestion | Mouse   | LD50 > 8,000 mg/kg                             |

|                            |                                |        |                                    |
|----------------------------|--------------------------------|--------|------------------------------------|
| Ethylene-Propylene Polymer | Dermal                         | Rabbit | LD50 > 2,000 mg/kg                 |
| Ethylene-Propylene Polymer | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                 |
| Styrene-Butadiene Polymer  | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| Styrene-Butadiene Polymer  | Ingestion                      |        | LD50 estimated to be > 5,000 mg/kg |
| Polyethylene               | Dermal                         |        | LD50 estimated to be > 5,000 mg/kg |
| Polyethylene               | Ingestion                      | Rat    | LD50 > 2,000 mg/kg                 |
| Polyolefin Wax             | Dermal                         | Rat    | LD50 > 5,000 mg/kg                 |
| Polyolefin Wax             | Ingestion                      | Rat    | LD50 > 5,000 mg/kg                 |
| Non-Hazardous Additives    | Dermal                         | Rabbit | LD50 > 3,160 mg/kg                 |
| Non-Hazardous Additives    | Inhalation-Dust/Mist (4 hours) | Rat    | LC50 > 1.95 mg/l                   |
| Non-Hazardous Additives    | Ingestion                      | Rat    | LD50 > 10,250 mg/kg                |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                       | Species                | Value                     |
|----------------------------|------------------------|---------------------------|
| Polypropylene              | Human and animal       | No significant irritation |
| Ethylene-Propylene Polymer | Rabbit                 | No significant irritation |
| Polyethylene               | Professional judgement | No significant irritation |
| Polyolefin Wax             | Rabbit                 | No significant irritation |
| Non-Hazardous Additives    | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name                       | Species                | Value                     |
|----------------------------|------------------------|---------------------------|
| Polypropylene              | Professional judgement | No significant irritation |
| Ethylene-Propylene Polymer | Rabbit                 | No significant irritation |
| Polyolefin Wax             | Rabbit                 | No significant irritation |
| Non-Hazardous Additives    | Rabbit                 | Mild irritant             |

### Skin Sensitisation

| Name                    | Species          | Value          |
|-------------------------|------------------|----------------|
| Polypropylene           | Human and animal | Not classified |
| Polyolefin Wax          | Guinea pig       | Not classified |
| Non-Hazardous Additives | 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         |
|----------------|----------|---------------|
| Polypropylene  | In Vitro | Not mutagenic |
| Polyolefin Wax | In Vitro | Not mutagenic |

|                         |          |               |
|-------------------------|----------|---------------|
| Non-Hazardous Additives | In Vitro | Not mutagenic |
| Non-Hazardous Additives | In vivo  | Not mutagenic |

### Carcinogenicity

| Name                    | Route          | Species                 | Value                                                                        |
|-------------------------|----------------|-------------------------|------------------------------------------------------------------------------|
| Polypropylene           | Not specified. | Rat                     | Some positive data exist, but the data are not sufficient for classification |
| Polyethylene            | Not specified. | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |
| Polyolefin Wax          | Ingestion      | Rat                     | Not carcinogenic                                                             |
| Non-Hazardous Additives | Ingestion      | Multiple animal species | Not carcinogenic                                                             |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                    | Route     | Value                                  | Species                 | Test result           | Exposure Duration    |
|-------------------------|-----------|----------------------------------------|-------------------------|-----------------------|----------------------|
| Non-Hazardous Additives | Ingestion | Not classified for female reproduction | Rat                     | NOAEL 688 mg/kg/day   | 2 generation         |
| Non-Hazardous Additives | Ingestion | Not classified for male reproduction   | Rat                     | NOAEL 688 mg/kg/day   | 2 generation         |
| Non-Hazardous Additives | Ingestion | Not classified for development         | Multiple animal species | NOAEL 1,000 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 |
|-------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------|-----------------------|-------------------|
| Polyolefin Wax          | Ingestion | heart                                                                                                                                                                                                     | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 15 mg/kg/day    | 90 days           |
| Polyolefin Wax          | Ingestion | hematopoietic system   liver   immune system   skin   endocrine system   bone, teeth, nails, and/or hair   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system | Not classified                                                               | Rat     | NOAEL 1,500 mg/kg/day | 90 days           |
| Non-Hazardous Additives | Ingestion | endocrine system                                                                                                                                                                                          | Not classified                                                               | Rat     | NOAEL 450 mg/kg/day   | 2 years           |
| Non-Hazardous Additives | Ingestion | liver                                                                                                                                                                                                     | Not classified                                                               | Dog     | NOAEL 302 mg/kg/day   | 90 days           |
| Non-Hazardous Additives | Ingestion | hematopoietic system   nervous system   kidney and/or bladder                                                                                                                                             | Not classified                                                               | Rat     | NOAEL 2,500 mg/kg/day | 90 days           |
| Non-Hazardous Additives | Ingestion | auditory system   eyes                                                                                                                                                                                    | Not classified                                                               | Dog     | NOAEL 302 mg/kg/day   | 90 days           |

### 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 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                   | Identifier(s) | Organism         | Type                                                  | Exposure | Test endpoint                  | Test result                |
|----------------------------|---------------|------------------|-------------------------------------------------------|----------|--------------------------------|----------------------------|
| Polypropylene              | 9003-07-0     | N/A              | Data not available or insufficient for classification | N/A      | N/A                            | N/A                        |
| Hydrocarbon resin          | Trade Secret  | Water flea       | Experimental                                          | 48 hours | EC50                           | >100 mg/l                  |
| Hydrocarbon resin          | Trade Secret  | Water flea       | Experimental                                          | 21 days  | NOEC                           | >2 mg/l                    |
| Styrene-Butadiene Polymer  | Trade Secret  | N/A              | Data not available or insufficient for classification | N/A      | N/A                            | N/A                        |
| Ethylene-Propylene Polymer | 9010-79-1     | N/A              | Data not available or insufficient for classification | N/A      | N/A                            | N/A                        |
| Polyethylene               | 9002-88-4     | N/A              | Data not available or insufficient for classification | N/A      | N/A                            | N/A                        |
| Polyolefin Wax             | 8002-74-2     | Green algae      | Analogous Compound                                    | 96 hours | EC50                           | >1,000 mg/l                |
| Polyolefin Wax             | 8002-74-2     | Rainbow trout    | Analogous Compound                                    | 96 hours | LC50                           | >1,000 mg/l                |
| Polyolefin Wax             | 8002-74-2     | Water flea       | Analogous Compound                                    | 48 hours | EC50                           | >10,000 mg/l               |
| Non-Hazardous Additives    | Trade Secret  | Water flea       | Endpoint not reached                                  | 24 hours | EC50                           | >100 mg/l                  |
| Non-Hazardous Additives    | Trade Secret  | Green algae      | Experimental                                          | 72 hours | No tox obs at lmt of water sol | >100 mg/l                  |
| Non-Hazardous Additives    | Trade Secret  | Zebra Fish       | Experimental                                          | 96 hours | No tox obs at lmt of water sol | >100 mg/l                  |
| Non-Hazardous Additives    | Trade Secret  | Green algae      | Experimental                                          | 72 hours | No tox obs at lmt of water sol | >100 mg/l                  |
| Non-Hazardous Additives    | Trade Secret  | Activated sludge | Experimental                                          | 3 hours  | IC50                           | >100 mg/l                  |
| Non-Hazardous Additives    | Trade Secret  | Redworm          | Experimental                                          | 56 days  | NOEC                           | >=1,000 mg/kg (Dry Weight) |

### 12.2. Persistence and degradability

| Material          | Identifier(s) | Test type                     | Duration | Study Type | Test result | Protocol |
|-------------------|---------------|-------------------------------|----------|------------|-------------|----------|
| Polypropylene     | 9003-07-0     | Data not availbl-insufficient | N/A      | N/A        | N/A         | N/A      |
| Hydrocarbon resin | Trade Secret  | Data not availbl-insufficient | N/A      | N/A        | N/A         | N/A      |

|                            |              |                                    |         |                             |                                   |                                     |
|----------------------------|--------------|------------------------------------|---------|-----------------------------|-----------------------------------|-------------------------------------|
| Styrene-Butadiene Polymer  | Trade Secret | Data not available or insufficient | N/A     | N/A                         | N/A                               | N/A                                 |
| Ethylene-Propylene Polymer | 9010-79-1    | Data not available or insufficient | N/A     | N/A                         | N/A                               | N/A                                 |
| Polyethylene               | 9002-88-4    | Data not available or insufficient | N/A     | N/A                         | N/A                               | N/A                                 |
| Polyolefin Wax             | 8002-74-2    | Analogous Compound Biodegradation  | 28 days | BOD                         | 40 %BOD/ThOD                      | OECD 301F - Manometric respirometry |
| Non-Hazardous Additives    | Trade Secret | Experimental Biodegradation        | 28 days | CO2 evolution               | 5 %CO2 evolution/THC O2 evolution | OECD 301B - Modified Sturm or CO2   |
| Non-Hazardous Additives    | Trade Secret | Experimental Biodegradation        | 26 days | Percent degraded            | 45.2 %removal of DOC              | OECD 303A - Simulated Aerobic       |
| Non-Hazardous Additives    | Trade Secret | Modeled Hydrolysis                 |         | Hydrolytic half-life (pH 7) | 2.06 years (t 1/2)                | Episuite™                           |

### 12.3 : Bioaccumulative potential

| Material                   | Identifier(s) | Test type                                             | Duration | Study Type             | Test result | Protocol                 |
|----------------------------|---------------|-------------------------------------------------------|----------|------------------------|-------------|--------------------------|
| Polypropylene              | 9003-07-0     | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| Hydrocarbon resin          | Trade Secret  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| Styrene-Butadiene Polymer  | Trade Secret  | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| Ethylene-Propylene Polymer | 9010-79-1     | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| Polyethylene               | 9002-88-4     | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                      |
| Polyolefin Wax             | 8002-74-2     | Modeled Bioconcentration                              |          | Log Kow                | 10.2        | Episuite™                |
| Non-Hazardous Additives    | Trade Secret  | Experimental BCF - Fish                               | 42 days  | Bioaccumulation factor | <2.3        | OECD305-Bioconcentration |
| Non-Hazardous Additives    | Trade Secret  | Modeled Bioconcentration                              |          | Log Kow                | 22.7        |                          |

### 12.4. Mobility in soil

| Material                | Identifier(s) | Test type                | Study Type | Test result         | Protocol  |
|-------------------------|---------------|--------------------------|------------|---------------------|-----------|
| Non-Hazardous Additives | Trade Secret  | Modeled Mobility in Soil | Koc        | 10,000,000,000 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. 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.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

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)**

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09  
20 01 28 Paint, inks, adhesives and resins other than those mentioned in 20 01 27

**SECTION 14: Transportation information**

Not hazardous for transportation.

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

|                              |                    |                    |                    |
|------------------------------|--------------------|--------------------|--------------------|
| <b>IMDG Segregation Code</b> | No data available. | No data available. | No data available. |
|------------------------------|--------------------|--------------------|--------------------|

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

## SECTION 15: Regulatory information

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

#### Carcinogenicity

| <u><b>Ingredient</b></u> | <u><b>Identifier(s)</b></u> | <u><b>Classification</b></u> | <u><b>Regulation</b></u>                    |
|--------------------------|-----------------------------|------------------------------|---------------------------------------------|
| Polyethylene             | 9002-88-4                   | Gr. 3: Not classifiable      | International Agency for Research on Cancer |
| Polypropylene            | 9003-07-0                   | Gr. 3: Not classifiable      | International Agency for Research on Cancer |

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

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

| <u><b>Ingredient</b></u>                                                                   | <u><b>%</b></u> |
|--------------------------------------------------------------------------------------------|-----------------|
| 3911 Petroleum resins, coumarone-indene resins, polyterpenes, polysulphides, polysulphones | <= 26           |

#### 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 Japan Chemical Substance Control Law. 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.

#### DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1  
None

Seveso named dangerous substances, Annex 1, Part 2  
None

#### Regulation (EU) No 649/2012

No chemicals listed

## 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

### Revision information:

EU Section 14 - Table Data information was added.  
EU Section 14 - Table Headers information was added.  
Section 1: Address information was modified.  
Section 1: E-mail address information was modified.  
Section 1: Product use information information was modified.  
Label: CLP Percent Unknown information was added.  
Section 3: Composition/ Information of ingredients table information was modified.  
Section 6: Accidental release personal information information was modified.  
Section 8: Occupational exposure limit table information was modified.  
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: Reproductive Toxicity Table information was added.  
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: Specific Target Organ Toxicity - single exposure text information was deleted.  
Section 11: Target Organs - Repeated Table information was modified.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Mobility in soil information information was added.  
Section 12: No Data text for mobility in soil information was deleted.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Bioaccumulative potential information information was modified.  
Section 14 Classification Code – Main Heading information was deleted.  
Section 14 Classification Code – Regulation Data information was deleted.  
Section 14 Control Temperature – Main Heading information was deleted.  
Section 14 Control Temperature – Regulation Data information was deleted.  
Section 14 Emergency Temperature – Main Heading information was deleted.  
Section 14 Emergency Temperature – Regulation Data information was deleted.  
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.  
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.  
Section 14 Other Dangerous Goods – Main Heading information was deleted.  
Section 14 Other Dangerous Goods – Regulation Data information was deleted.  
Section 14 Packing Group – Main Heading information was deleted.  
Section 14 Packing Group – Regulation Data information was deleted.  
Section 14 Proper Shipping Name information was deleted.  
Section 14 Regulations – Main Headings information was deleted.  
Section 14 Segregation – Regulation Data information was deleted.  
Section 14 Segregation Code – Main Heading information was deleted.  
Section 14 Special Precautions – Main Heading information was deleted.  
Section 14 Special Precautions – Regulation Data information was deleted.  
Section 14 Transport in bulk – Regulation Data information was deleted.  
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.  
Section 14 UN Number Column data information was deleted.  
Section 14 UN Number information was deleted.  
Section 15: Microparticles Header information was added.  
Section 15: Microparticles Statement information was added.

Section 15: Microplastics Table information was added.

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 Ireland MSDSs are available at [www.3M.com](http://www.3M.com)**