



## Safety Data Sheet

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|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### IDENTIFICATION:

#### 1.1. Product identifier

3M(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive DP8805NS Green

#### Product Identification Numbers

62-2852-1446-6

7100098631

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive

For Industrial or Professional use only.

#### 1.3. Supplier's details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| <b>Address:</b>   | 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113 |
| <b>Telephone:</b> | 136 136                                                       |
| <b>E Mail:</b>    | productinfo.au@mmm.com                                        |
| <b>Website:</b>   | www.3m.com.au                                                 |

#### 1.4. Emergency telephone number

**Company Emergency Hotline:** EMERGENCY: 1800 097 146 (Australia only)

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

35-1592-1, 35-1588-9

One or more components of this KIT is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

### TRANSPORT INFORMATION

This KIT and its components are NOT classified as Dangerous Goods.

**Marine Pollutant:**Not applicable.

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 Safety 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.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

**3M Australia SDSs are available at [www.3m.com.au](http://www.3m.com.au)**



## Safety Data Sheet

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|                        |            |                         |            |
|------------------------|------------|-------------------------|------------|
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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8805NS and Low Odor Acrylic Adhesive 8805NS Green, Part B

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive

For Industrial or Professional use only.

#### 1.3. Supplier's details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| <b>Address:</b>   | 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113 |
| <b>Telephone:</b> | 136 136                                                       |
| <b>E Mail:</b>    | productinfo.au@mmm.com                                        |
| <b>Website:</b>   | www.3m.com.au                                                 |

#### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### SECTION 2: Hazard identification

This product is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

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

Serious Eye Damage/Irritation: Category 2.

Skin Sensitizer: Category 1A.

Reproductive Toxicity: Category 1.

#### 2.2. Label elements

The label elements below were prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, December 2011). This information may be different from the actual product label.

**Signal word**

Danger

**Symbols**

Exclamation mark | Health Hazard |

**Pictograms****Hazard statements**

|      |                                           |
|------|-------------------------------------------|
| H319 | Causes serious eye irritation.            |
| H317 | May cause an allergic skin reaction.      |
| H360 | May damage fertility or the unborn child. |

**Precautionary statements****Prevention:**

|      |                                                                                                    |
|------|----------------------------------------------------------------------------------------------------|
| P201 | Obtain special instructions before use.                                                            |
| P202 | Do not handle until all safety precautions have been read and understood.                          |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.                                                  |
| P264 | Wash exposed skin thoroughly after handling.                                                       |
| P272 | Contaminated work clothing should not be allowed out of the workplace.                             |
| P280 | Wear protective gloves, eye protection, and if needed, respiratory protection (see SDS Section 8). |

**Response:**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P302 + P352        | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| 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.                                                                 |
| P337 + P313        | If eye irritation persists: Get medical advice.                                                                                  |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.                                                                         |

**Storage:**

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

**Disposal:**

|      |                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |
|------|----------------------------------------------------------------------------------------------------------------|

**2.3. Other assigned/identified product hazards**

None known.

**2.4. Other hazards which do not result in classification**

Causes mild skin irritation.  
Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

**SECTION 3: Composition/information on ingredients**

This material is a mixture.

| Ingredient                                                         | CAS Nbr    | % by Weight |
|--------------------------------------------------------------------|------------|-------------|
| Tetrahydrofurfuryl Methacrylate                                    | 2455-24-5  | 15 - 40     |
| Hydroxyethyl Methacrylate                                          | 868-77-9   | 10 - 30     |
| Butadiene-Acrylonitrile Polymer                                    | 9003-18-3  | 1 - 20      |
| Isobornyl Methacrylate                                             | 7534-94-3  | 7 - 13      |
| Kaolin                                                             | 1332-58-7  | 5 - 10      |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | 41637-38-1 | 1 - 10      |
| Polyethylene                                                       | 9002-88-4  | 1 - 5       |
| Phosphate Esters of PPG Methacrylate                               | 95175-93-2 | < 3         |
| Diethylene Glycol, Monomethacrylate                                | 2351-43-1  | <= 0.5      |
| Copper Naphthenates                                                | 1338-02-9  | <= 0.2      |
| p-Cresol, Reaction Products with Dicyclopentadiene and Isobutylene | 68610-51-5 | <= 0.2      |
| Tetrahydrofurfuryl alcohol                                         | 97-99-4    | <= 0.2      |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

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

#### Skin contact

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

#### Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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

Allergic skin reaction (redness, swelling, blistering, and itching).

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable 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.  
Hydrogen Chloride

#### Condition

During combustion.  
During combustion.  
During combustion.

Oxides of nitrogen.

During combustion.

### 5.3. Special protective actions 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 vapors, in accordance with good industrial hygiene practice. 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. 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

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. 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 in accordance with applicable local/regional/national/international regulations.

## 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. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

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

Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents. Store away from amines.

## 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 | Agency | Limit type | Additional comments |
|------------|---------|--------|------------|---------------------|
|------------|---------|--------|------------|---------------------|

|                                                                                       |           |                |                                                                                                        |                                            |
|---------------------------------------------------------------------------------------|-----------|----------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------|
| Kaolin                                                                                | 1332-58-7 | ACGIH          | TWA(respirable fraction):2 mg/m3                                                                       | A4: Not class. as human carcin             |
| Kaolin                                                                                | 1332-58-7 | Australia OELs | TWA(Inspirable dust)(8 hours):10 mg/m3                                                                 |                                            |
| Copper Naphthenates                                                                   | 1338-02-9 | ACGIH          | TWA(inhalable fraction and vapor):1 mg/m3;TLV-Surface Limit(inhalable fraction and vapor):1 mg/100 cm2 | Dermal Sensitizer, SKIN; Dermal sensitizer |
| Particles (insoluble or poorly soluble) not otherwise specified, inhalable particles  | 9002-88-4 | ACGIH          | TWA(inhalable particulates):10 mg/m3                                                                   |                                            |
| Particles (insoluble or poorly soluble) not otherwise specified, respirable particles | 9002-88-4 | ACGIH          | TWA(respirable particles):3 mg/m3                                                                      |                                            |
| Tetrahydrofurfuryl alcohol                                                            | 97-99-4   | AIHA           | TWA:2 mg/m3(0.5 ppm)                                                                                   | SKIN                                       |

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

Australia OELs : Australia. Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment

CMRG : Chemical Manufacturer's Recommended Guidelines

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CELL: Ceiling

Sen: Sensitiser

Sk: Absorption through the skin may be a significant source of exposure.

## 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

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.

Indirect vented goggles.

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

#### Skin/hand protection

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

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

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

Select and use gloves according to AS/NZ 2161.

**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

Half facepiece or full facepiece supplied-air respirator.

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

Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

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

|                                                          |                                                      |
|----------------------------------------------------------|------------------------------------------------------|
| <b>Physical state</b>                                    | Liquid.                                              |
| <b>Specific Physical Form:</b>                           | Paste                                                |
| <b>Colour</b>                                            | White                                                |
| <b>Odour</b>                                             | Mild Acrylate                                        |
| <b>Odour threshold</b>                                   | <i>No data available.</i>                            |
| <b>pH</b>                                                | <i>Not applicable.</i>                               |
| <b>Melting point/Freezing point</b>                      | <i>Not applicable.</i>                               |
| <b>Boiling point/Initial boiling point/Boiling range</b> | > 93.3 °C                                            |
| <b>Flash point</b>                                       | > 93.3 °C [Test Method: Closed Cup]                  |
| <b>Evaporation rate</b>                                  | <i>No data available.</i>                            |
| <b>Flammability</b>                                      | Not applicable.                                      |
| <b>Flammable Limits(LEL)</b>                             | <i>No data available.</i>                            |
| <b>Flammable Limits(UEL)</b>                             | <i>No data available.</i>                            |
| <b>Vapour pressure</b>                                   | <i>No data available.</i>                            |
| <b>Relative Vapor Density</b>                            | <i>No data available.</i>                            |
| <b>Density</b>                                           | 1.13 g/ml                                            |
| <b>Relative density</b>                                  | 1.13 [Ref Std: WATER=1]                              |
| <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>Autoignition temperature</b>                          | <i>No data available.</i>                            |
| <b>Decomposition temperature</b>                         | <i>No data available.</i>                            |
| <b>Kinematic Viscosity</b>                               | 110,619 mm <sup>2</sup> /sec                         |
| <b>Volatile organic compounds (VOC)</b>                  | <i>No data available.</i>                            |
| <b>Percent volatile</b>                                  | <i>No data available.</i>                            |
| <b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>     | 4.8 g/l [Details: when used as intended with Part A] |
| <b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>     | 612 g/l [Details: as supplied]                       |
| <b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>     | 0.5 % [Details: when used as intended with Part A]   |
| <b>Molecular weight</b>                                  | <i>Not applicable.</i>                               |

**Particle Characteristics** *Not applicable.*

**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. Conditions to avoid

Heat.

Sparks and/or flames.

## 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

## 10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

## 10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
|------------------|------------------|

|             |  |
|-------------|--|
| None known. |  |
|-------------|--|

# SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

## 11.1 Information on Toxicological effects

### 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. May cause additional health effects (see below).

#### Skin contact

Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching. May cause additional health effects (see below).

#### Eye contact

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

#### 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.

### 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 |
| Tetrahydrofurfuryl Methacrylate                                    | Ingestion                   | Rat                    | LD50 4,000 mg/kg                               |
| Tetrahydrofurfuryl Methacrylate                                    | Dermal                      | similar health hazards | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Hydroxyethyl Methacrylate                                          | Dermal                      | Rabbit                 | LD50 > 5,000 mg/kg                             |
| Hydroxyethyl Methacrylate                                          | Ingestion                   | Rat                    | LD50 5,564 mg/kg                               |
| Butadiene-Acrylonitrile Polymer                                    | Dermal                      | Rabbit                 | LD50 > 15,000 mg/kg                            |
| Butadiene-Acrylonitrile Polymer                                    | Ingestion                   | Rat                    | LD50 > 30,000 mg/kg                            |
| Isobornyl Methacrylate                                             | Dermal                      | Rabbit                 | LD50 > 3,000 mg/kg                             |
| Isobornyl Methacrylate                                             | Ingestion                   | Rat                    | LD50 3,100 mg/kg                               |
| Kaolin                                                             | Dermal                      |                        | LD50 estimated to be > 5,000 mg/kg             |
| Kaolin                                                             | Ingestion                   | Human                  | LD50 > 15,000 mg/kg                            |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | Dermal                      | Rat                    | LD50 > 2,000 mg/kg                             |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | Ingestion                   | Rat                    | LD50 > 35,000 mg/kg                            |
| Phosphate Esters of PPG Methacrylate                               | Ingestion                   | Rat                    | LD50 > 5,000 mg/kg                             |
| Phosphate Esters of PPG Methacrylate                               | Dermal                      | similar health hazards | 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                             |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | Dermal                      | similar compounds      | LD50 > 5,000 mg/kg                             |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | Ingestion                   | similar compounds      | LD50 5,564 mg/kg                               |
| Copper Naphthenates                                                | Dermal                      | similar compounds      | LD50 > 2,000 mg/kg                             |
| Copper Naphthenates                                                | Ingestion                   | similar compounds      | LD50 > 300, < 2,000 mg/kg                      |
| Tetrahydrofurfuryl alcohol                                         | Dermal                      | Professional judgement | LD50 estimated to be 2,000 - 5,000 mg/kg       |
| Tetrahydrofurfuryl alcohol                                         | Inhalation-Vapour (4 hours) | Rat                    | LC50 > 3.1 mg/l                                |
| Tetrahydrofurfuryl alcohol                                         | Ingestion                   | Rat                    | LD50 > 2,000 mg/kg                             |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Dermal                      | Rat                    | LD50 > 2,000 mg/kg                             |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Ingestion                   | Rat                    | LD50 > 5,000 mg/kg                             |

ATE = acute toxicity estimate

### Skin Corrosion/Irritation

| Name                            | Species | Value                     |
|---------------------------------|---------|---------------------------|
| Tetrahydrofurfuryl Methacrylate | Rabbit  | No significant irritation |
| Hydroxyethyl Methacrylate       | Rabbit  | Minimal irritation        |

|                                                                    |                        |                           |
|--------------------------------------------------------------------|------------------------|---------------------------|
| Butadiene-Acrylonitrile Polymer                                    | Professional judgement | No significant irritation |
| Isobornyl Methacrylate                                             | Rabbit                 | Mild irritant             |
| Kaolin                                                             | Professional judgement | No significant irritation |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | Rabbit                 | Minimal irritation        |
| Phosphate Esters of PPG Methacrylate                               | Not available          | Irritant                  |
| Polyethylene                                                       | Professional judgement | No significant irritation |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | similar compounds      | Minimal irritation        |
| Copper Naphthenates                                                | Rabbit                 | No significant irritation |
| Tetrahydrofurfuryl alcohol                                         | Rabbit                 | No significant irritation |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Rabbit                 | No significant irritation |

### Serious Eye Damage/Irritation

| Name                                                               | Species                | Value                     |
|--------------------------------------------------------------------|------------------------|---------------------------|
| Tetrahydrofurfuryl Methacrylate                                    | Rabbit                 | No significant irritation |
| Hydroxyethyl Methacrylate                                          | Rabbit                 | Moderate irritant         |
| Butadiene-Acrylonitrile Polymer                                    | Professional judgement | No significant irritation |
| Isobornyl Methacrylate                                             | Rabbit                 | Mild irritant             |
| Kaolin                                                             | Professional judgement | No significant irritation |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | Rabbit                 | No significant irritation |
| Phosphate Esters of PPG Methacrylate                               | Not available          | Corrosive                 |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | similar compounds      | Moderate irritant         |
| Copper Naphthenates                                                | In vitro data          | No significant irritation |
| Tetrahydrofurfuryl alcohol                                         | Rabbit                 | Severe irritant           |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Rabbit                 | No significant irritation |

### Skin Sensitisation

| Name                                                               | Species                 | Value          |
|--------------------------------------------------------------------|-------------------------|----------------|
| Tetrahydrofurfuryl Methacrylate                                    | official classification | Sensitising    |
| Hydroxyethyl Methacrylate                                          | Human and animal        | Sensitising    |
| Isobornyl Methacrylate                                             | Guinea pig              | Not classified |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | Guinea pig              | Not classified |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | similar compounds       | Sensitising    |
| Copper Naphthenates                                                | Guinea pig              | Not classified |
| Tetrahydrofurfuryl alcohol                                         | Mouse                   | Not classified |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Guinea pig              | Not classified |

### Respiratory Sensitisation

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

### Germ Cell Mutagenicity

| Name                            | Route    | Value                                                                        |
|---------------------------------|----------|------------------------------------------------------------------------------|
| Tetrahydrofurfuryl Methacrylate | In Vitro | Not mutagenic                                                                |
| Hydroxyethyl Methacrylate       | In vivo  | Not mutagenic                                                                |
| Hydroxyethyl Methacrylate       | In Vitro | Some positive data exist, but the data are not sufficient for classification |

|                                                                    |          |                                                                              |
|--------------------------------------------------------------------|----------|------------------------------------------------------------------------------|
| Isobornyl Methacrylate                                             | In Vitro | Not mutagenic                                                                |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer)   | In Vitro | Not mutagenic                                                                |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                                | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Tetrahydrofurfuryl alcohol                                         | In Vitro | Not mutagenic                                                                |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | In Vitro | Not mutagenic                                                                |

### Carcinogenicity

| Name         | Route          | Species                 | Value                                                                        |
|--------------|----------------|-------------------------|------------------------------------------------------------------------------|
| Kaolin       | Inhalation     | Multiple animal species | Not carcinogenic                                                             |
| Polyethylene | Not specified. | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |

### Reproductive Toxicity

#### Reproductive and/or Developmental Effects

| Name                                                               | Route      | Value                                  | Species | Test result           | Exposure Duration            |
|--------------------------------------------------------------------|------------|----------------------------------------|---------|-----------------------|------------------------------|
| Tetrahydrofurfuryl Methacrylate                                    | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 300 mg/kg/day   | 29 days                      |
| Tetrahydrofurfuryl Methacrylate                                    | Ingestion  | Toxic to female reproduction           | Rat     | NOAEL 120 mg/kg/day   | premating into lactation     |
| Tetrahydrofurfuryl Methacrylate                                    | Ingestion  | Toxic to development                   | Rat     | NOAEL 120 mg/kg/day   | premating into lactation     |
| Hydroxyethyl Methacrylate                                          | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Hydroxyethyl Methacrylate                                          | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 1,000 mg/kg/day | 49 days                      |
| Hydroxyethyl Methacrylate                                          | Ingestion  | Not classified for development         | Rat     | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Isobornyl Methacrylate                                             | Ingestion  | Not classified for female reproduction | Rat     | NOAEL 500 mg/kg/day   | premating into lactation     |
| Isobornyl Methacrylate                                             | Ingestion  | Not classified for male reproduction   | Rat     | NOAEL 500 mg/kg/day   | 4 weeks                      |
| Isobornyl Methacrylate                                             | Ingestion  | Not classified for development         | Rat     | NOAEL 500 mg/kg/day   | premating into lactation     |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | Toxic to female reproduction           | Rat     | NOAEL 50 mg/kg/day    | premating into lactation     |
| Tetrahydrofurfuryl alcohol                                         | Dermal     | Toxic to male reproduction             | Rat     | NOAEL 100 mg/kg/day   | 13 weeks                     |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | Toxic to male reproduction             | Rat     | NOAEL 150 mg/kg/day   | 47 days                      |
| Tetrahydrofurfuryl alcohol                                         | Inhalation | Toxic to male reproduction             | Rat     | NOAEL 0.6 mg/l        | 90 days                      |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | Toxic to development                   | Rat     | NOAEL 50 mg/kg/day    | premating into lactation     |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Ingestion  | Not classified for development         | Rabbit  | NOAEL 15 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 |
|--------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Isobornyl Methacrylate               | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| Phosphate Esters of PPG Methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE  | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |
| Tetrahydrofurfuryl alcohol           | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                            | Route     | Target Organ(s)       | Value                                                                        | Species | Test result         | Exposure Duration |
|---------------------------------|-----------|-----------------------|------------------------------------------------------------------------------|---------|---------------------|-------------------|
| Tetrahydrofurfuryl Methacrylate | Ingestion | endocrine system      | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | hematopoietic system  | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | immune system         | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | heart                 | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | liver                 | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | nervous system        | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | kidney and/or bladder | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Tetrahydrofurfuryl Methacrylate | Ingestion | respiratory system    | Not classified                                                               | Rat     | NOAEL 300 mg/kg/day | 29 days           |
| Isobornyl Methacrylate          | Ingestion | liver                 | Some positive data exist, but the data are not sufficient for classification | Rat     | NOAEL 150 mg/kg/day | 90 days           |
| Isobornyl Methacrylate          | Ingestion | endocrine system      | Not classified                                                               | Rat     | NOAEL 500 mg/kg/day | 90 days           |
| Isobornyl                       | Ingestion | hematopoietic         | Not classified                                                               | Rat     | NOAEL 500           | 90 days           |

**3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8805NS and Low Odor Acrylic Adhesive 8805NS Green, Part B**

|                                                                    |            |                       |                                                                              |       |                     |                       |
|--------------------------------------------------------------------|------------|-----------------------|------------------------------------------------------------------------------|-------|---------------------|-----------------------|
| Methacrylate                                                       |            | system                |                                                                              |       | mg/kg/day           |                       |
| Isobornyl Methacrylate                                             | Ingestion  | kidney and/or bladder | Not classified                                                               | Rat   | NOAEL 500 mg/kg/day | 90 days               |
| Kaolin                                                             | Inhalation | pneumoconiosis        | Causes damage to organs through prolonged or repeated exposure               | Human | NOAEL NA            | occupational exposure |
| Kaolin                                                             | Inhalation | pulmonary fibrosis    | Not classified                                                               | Rat   | NOAEL Not available |                       |
| Tetrahydrofurfuryl alcohol                                         | Inhalation | nervous system        | Causes damage to organs through prolonged or repeated exposure               | Rat   | LOAEL 0.2 mg/l      | 90 days               |
| Tetrahydrofurfuryl alcohol                                         | Inhalation | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Rat   | NOAEL 0.6 mg/l      | 90 days               |
| Tetrahydrofurfuryl alcohol                                         | Inhalation | eyes                  | Not classified                                                               | Rat   | NOAEL 2.1 mg/l      | 90 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | hematopoietic system  | Some positive data exist, but the data are not sufficient for classification | Rat   | NOAEL 69 mg/kg/day  | 91 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | immune system         | Some positive data exist, but the data are not sufficient for classification | Rat   | NOAEL 150 mg/kg/day | 28 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | endocrine system      | Not classified                                                               | Rat   | NOAEL 600 mg/kg/day | 28 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | kidney and/or bladder | Not classified                                                               | Rat   | NOAEL 600 mg/kg/day | 28 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | liver                 | Not classified                                                               | Rat   | NOAEL 781 mg/kg/day | 91 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | eyes                  | Not classified                                                               | Rat   | NOAEL 781 mg/kg/day | 91 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | heart                 | Not classified                                                               | Rat   | NOAEL 600 mg/kg/day | 28 days               |
| Tetrahydrofurfuryl alcohol                                         | Ingestion  | nervous system        | Not classified                                                               | Rat   | NOAEL 600 mg/kg/day | 28 days               |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Ingestion  | endocrine system      | Not classified                                                               | Rat   | NOAEL 289 mg/kg/day | 90 days               |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTADIENE AND ISOBUTYLENE | Ingestion  | blood                 | Not classified                                                               | Rat   | NOAEL 289 mg/kg/day | 90 days               |
| P-CRESOL,                                                          | Ingestion  | liver                 | Not classified                                                               | Rat   | NOAEL 289           | 90 days               |

|                                                                      |           |      |                |     |                     |         |
|----------------------------------------------------------------------|-----------|------|----------------|-----|---------------------|---------|
| REACTION PRODUCTS WITH DICYCLOPE NTADIENE AND ISOBUTYLE NE           |           |      |                |     | mg/kg/day           |         |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPE NTADIENE AND ISOBUTYLE NE | Ingestion | eyes | Not classified | Rat | NOAEL 289 mg/kg/day | 90 days |

#### Aspiration Hazard

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

#### Exposure Levels

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

#### Interactive Effects

Not Determined

## SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

### 12.1. Toxicity

#### Acute aquatic hazard:

GHS Acute 2: Toxic to aquatic life.

#### Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

| Material                        | CAS Number | Organism       | Type               | Exposure | Test endpoint | Test result |
|---------------------------------|------------|----------------|--------------------|----------|---------------|-------------|
| Tetrahydrofurfuryl Methacrylate | 2455-24-5  | Fathead minnow | Experimental       | 96 hours | LC50          | 34.7 mg/l   |
| Tetrahydrofurfuryl Methacrylate | 2455-24-5  | Green algae    | Experimental       | 72 hours | ErC50         | >100 mg/l   |
| Tetrahydrofurfuryl Methacrylate | 2455-24-5  | Green algae    | Experimental       | 72 hours | ErC10         | 100 mg/l    |
| Tetrahydrofurfuryl Methacrylate | 2455-24-5  | Water flea     | Experimental       | 21 days  | NOEC          | 37.2 mg/l   |
| Hydroxyethyl Methacrylate       | 868-77-9   | Turbot         | Analogous Compound | 96 hours | LC50          | 833 mg/l    |
| Hydroxyethyl Methacrylate       | 868-77-9   | Fathead minnow | Experimental       | 96 hours | LC50          | 227 mg/l    |
| Hydroxyethyl                    | 868-77-9   | Green algae    | Experimental       | 72 hours | EC50          | 710 mg/l    |

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|                                                                  |            |                  |                                                       |          |      |                             |
|------------------------------------------------------------------|------------|------------------|-------------------------------------------------------|----------|------|-----------------------------|
| Methacrylate                                                     |            |                  |                                                       |          |      |                             |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | Water flea       | Experimental                                          | 48 hours | EC50 | 380 mg/l                    |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | Green algae      | Experimental                                          | 72 hours | NOEC | 160 mg/l                    |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | Water flea       | Experimental                                          | 21 days  | NOEC | 24.1 mg/l                   |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | N/A              | Experimental                                          | 16 hours | EC0  | >3,000 mg/l                 |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | N/A              | Experimental                                          | 18 hours | LD50 | <98 mg per kg of bodyweight |
| Butadiene-Acrylonitrile Polymer                                  | 9003-18-3  | N/A              | Data not available or insufficient for classification | N/A      | N/A  | N/A                         |
| Isobornyl Methacrylate                                           | 7534-94-3  | Green algae      | Experimental                                          | 72 hours | EC50 | 2.3 mg/l                    |
| Isobornyl Methacrylate                                           | 7534-94-3  | Water flea       | Experimental                                          | 48 hours | EC50 | 1.1 mg/l                    |
| Isobornyl Methacrylate                                           | 7534-94-3  | Zebra Fish       | Experimental                                          | 96 hours | LC50 | 1.8 mg/l                    |
| Isobornyl Methacrylate                                           | 7534-94-3  | Green algae      | Experimental                                          | 72 hours | EC10 | 0.751 mg/l                  |
| Isobornyl Methacrylate                                           | 7534-94-3  | Water flea       | Experimental                                          | 21 days  | NOEC | 0.233 mg/l                  |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer) | 41637-38-1 | Activated sludge | Estimated                                             | 3 hours  | EC50 | >1,000 mg/l                 |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer) | 41637-38-1 | Green algae      | Estimated                                             | 72 hours | EL50 | >100 mg/l                   |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer) | 41637-38-1 | Water flea       | Estimated                                             | 48 hours | EL50 | >100 mg/l                   |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer) | 41637-38-1 | Zebra Fish       | Estimated                                             | 96 hours | LL50 | >100 mg/l                   |
| Kaolin                                                           | 1332-58-7  | Water flea       | Experimental                                          | 48 hours | LC50 | >1,100 mg/l                 |
| Polyethylene                                                     | 9002-88-4  | N/A              | Data not available or insufficient for classification | N/A      | N/A  | N/A                         |
| Phosphate Esters of PPG Methacrylate                             | 95175-93-2 | N/A              | Data not available or insufficient for classification | N/A      | N/A  | N/A                         |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                              | 2351-43-1  | Fathead minnow   | Analogous Compound                                    | 96 hours | LC50 | 227 mg/l                    |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                              | 2351-43-1  | Green algae      | Analogous Compound                                    | 72 hours | EC50 | 710 mg/l                    |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                              | 2351-43-1  | Water flea       | Analogous Compound                                    | 48 hours | EC50 | 380 mg/l                    |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                              | 2351-43-1  | Green algae      | Analogous Compound                                    | 72 hours | NOEC | 160 mg/l                    |
| DIETHYLENE                                                       | 2351-43-1  | Water flea       | Analogous                                             | 21 days  | NOEC | 24.1 mg/l                   |

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|                                                                                       |            |                  |                       |          |       |                        |
|---------------------------------------------------------------------------------------|------------|------------------|-----------------------|----------|-------|------------------------|
| GLYCOL,<br>MONOMETHACRYLATE                                                           |            |                  | Compound              |          |       |                        |
| DIETHYLENE<br>GLYCOL,<br>MONOMETHACRYLATE                                             | 2351-43-1  | N/A              | Analogous<br>Compound | 16 hours | NOEC  | >3,000 mg/l            |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Green algae      | Estimated             | 72 hours | ErC50 | 0.629 mg/l             |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Water flea       | Estimated             | 48 hours | EC50  | 0.0756 mg/l            |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Zebra Fish       | Estimated             | 96 hours | LC50  | 0.07 mg/l              |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Fathead minnow   | Estimated             | 32 days  | EC10  | 0.0354 mg/l            |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Green algae      | Estimated             | N/A      | NOEC  | 0.132 mg/l             |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Sediment Worm    | Estimated             | 28 days  | NOEC  | 110 mg/kg (Dry Weight) |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Water flea       | Estimated             | 7 days   | NOEC  | 0.02 mg/l              |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Activated sludge | Estimated             | N/A      | EC50  | 42 mg/l                |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Barley           | Estimated             | 4 days   | NOEC  | 96 mg/kg (Dry Weight)  |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Redworm          | Estimated             | 56 days  | NOEC  | 60 mg/kg (Dry Weight)  |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Soil microbes    | Estimated             | 4 days   | NOEC  | 72 mg/kg (Dry Weight)  |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Springtail       | Estimated             | 28 days  | NOEC  | 167 mg/kg (Dry Weight) |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Bacteria         | Experimental          | 17 hours | NOEC  | 150.9 mg/l             |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Green algae      | Experimental          | 72 hours | EC50  | >100 mg/l              |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Rainbow trout    | Experimental          | 96 hours | LC50  | >100 mg/l              |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Water flea       | Experimental          | 48 hours | EC50  | >100 mg/l              |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Fathead minnow   | Experimental          | 34 days  | NOEL  | 100 mg/l               |
| P-CRESOL,<br>REACTION                                                                 | 68610-51-5 | Green algae      | Experimental          | 72 hours | NOEC  | 100 mg/l               |

|                                                                     |            |             |              |          |      |           |
|---------------------------------------------------------------------|------------|-------------|--------------|----------|------|-----------|
| PRODUCTS WITH DICYCLOPENTA DIENE AND ISOBUTYLENE                    |            |             |              |          |      |           |
| P-CRESOL, REACTION PRODUCTS WITH DICYCLOPENTA DIENE AND ISOBUTYLENE | 68610-51-5 | Water flea  | Experimental | 21 days  | EC10 | <1 mg/l   |
| Tetrahydrofurfuryl alcohol                                          | 97-99-4    | Green algae | Experimental | 72 hours | EC50 | >100 mg/l |
| Tetrahydrofurfuryl alcohol                                          | 97-99-4    | Medaka      | Experimental | 96 hours | LC50 | >100 mg/l |
| Tetrahydrofurfuryl alcohol                                          | 97-99-4    | Water flea  | Experimental | 48 hours | EC50 | >100 mg/l |
| Tetrahydrofurfuryl alcohol                                          | 97-99-4    | Green algae | Experimental | 72 hours | NOEC | >100 mg/l |
| Tetrahydrofurfuryl alcohol                                          | 97-99-4    | Water flea  | Experimental | 21 days  | NOEC | >100 mg/l |

## 12.2. Persistence and degradability

| Material                                                         | CAS Number | Test type                         | Duration | Study Type                    | Test result                       | Protocol                            |
|------------------------------------------------------------------|------------|-----------------------------------|----------|-------------------------------|-----------------------------------|-------------------------------------|
| Tetrahydrofurfuryl Methacrylate                                  | 2455-24-5  | Experimental Biodegradation       | 28 days  | BOD                           | 75 %BOD/ThOD (< 10 day window)    | OECD 301F - Manometric respirometry |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | Experimental Biodegradation       | 28 days  | BOD                           | 84 %BOD/COD                       | OECD 301D - Closed bottle test      |
| Hydroxyethyl Methacrylate                                        | 868-77-9   | Experimental Hydrolysis           |          | Hydrolytic half-life basic pH | 10.9 days (t 1/2)                 | OECD 111 Hydrolysis func of pH      |
| Butadiene-Acrylonitrile Polymer                                  | 9003-18-3  | Data not available-insufficient   | N/A      | N/A                           | N/A                               | N/A                                 |
| Isobornyl Methacrylate                                           | 7534-94-3  | Experimental Biodegradation       | 28 days  | CO2 evolution                 | 70 %CO2 evolution/THCO2 evolution | OECD 310 CO2 Headspace              |
| Bisphenol A Polyethylene Glycol Diether Dimethacrylate (polymer) | 41637-38-1 | Experimental Biodegradation       | 28 days  | Percent degraded              | 24 % degraded                     |                                     |
| Kaolin                                                           | 1332-58-7  | Data not available-insufficient   | N/A      | N/A                           | N/A                               | N/A                                 |
| Polyethylene                                                     | 9002-88-4  | Data not available-insufficient   | N/A      | N/A                           | N/A                               | N/A                                 |
| Phosphate Esters of PPG Methacrylate                             | 95175-93-2 | Data not available-insufficient   | N/A      | N/A                           | N/A                               | N/A                                 |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE                              | 2351-43-1  | Analogous Compound Biodegradation | 28 days  | BOD                           | 95 %BOD/ThOD                      | OECD 301C - MITI test (I)           |
| Copper Naphthenates                                              | 1338-02-9  | Data not available-insufficient   | N/A      | N/A                           | N/A                               | N/A                                 |
| P-CRESOL, REACTION PRODUCTS WITH                                 | 68610-51-5 | Experimental Biodegradation       | 28 days  | CO2 evolution                 | 1 % weight                        | OECD 301B - Modified sturm or CO2   |

|                                          |         |                                |         |                                |                  |                                   |
|------------------------------------------|---------|--------------------------------|---------|--------------------------------|------------------|-----------------------------------|
| DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE |         |                                |         |                                |                  |                                   |
| Tetrahydrofurfuryl<br>alcohol            | 97-99-4 | Experimental<br>Biodegradation | 28 days | BOD                            | 92 %BOD/ThOD     | OECD 301C - MITI test (I)         |
| Tetrahydrofurfuryl<br>alcohol            | 97-99-4 | Experimental<br>Hydrolysis     |         | Hydrolytic half-life<br>(pH 7) | >1 years (t 1/2) | OECD 111 Hydrolysis func<br>of pH |

### 12.3 : Bioaccumulative potential

| Material                                                                              | CAS Number | Test type                                                   | Duration | Study Type                | Test result | Protocol                          |
|---------------------------------------------------------------------------------------|------------|-------------------------------------------------------------|----------|---------------------------|-------------|-----------------------------------|
| Tetrahydrofurfuryl<br>Methacrylate                                                    | 2455-24-5  | Experimental<br>Bioconcentration                            |          | Log Kow                   | 1.76        | OECD 117 log Kow HPLC<br>method   |
| Hydroxyethyl<br>Methacrylate                                                          | 868-77-9   | Experimental<br>Bioconcentration                            |          | Log Kow                   | 0.42        | OECD 107 log Kow shke<br>flsk mtd |
| Butadiene-<br>Acrylonitrile<br>Polymer                                                | 9003-18-3  | Data not available<br>or insufficient for<br>classification | N/A      | N/A                       | N/A         | N/A                               |
| Isobornyl<br>Methacrylate                                                             | 7534-94-3  | Modeled<br>Bioconcentration                                 |          | Bioaccumulation<br>factor | 39          | Catalogic™                        |
| Isobornyl<br>Methacrylate                                                             | 7534-94-3  | Experimental<br>Bioconcentration                            |          | Log Kow                   | 5.09        | OECD 117 log Kow HPLC<br>method   |
| Bisphenol A<br>Polyethylene<br>Glycol Diether<br>Dimethacrylate<br>(polymer)          | 41637-38-1 | Estimated<br>Bioconcentration                               |          | Bioaccumulation<br>factor | 6.6         |                                   |
| Kaolin                                                                                | 1332-58-7  | Data not available<br>or insufficient for<br>classification | N/A      | N/A                       | N/A         | N/A                               |
| Polyethylene                                                                          | 9002-88-4  | Data not available<br>or insufficient for<br>classification | N/A      | N/A                       | N/A         | N/A                               |
| Phosphate Esters of<br>PPG Methacrylate                                               | 95175-93-2 | Data not available<br>or insufficient for<br>classification | N/A      | N/A                       | N/A         | N/A                               |
| DIETHYLENE<br>GLYCOL,<br>MONOMETHACR<br>YLATE                                         | 2351-43-1  | Modeled<br>Bioconcentration                                 |          | Bioaccumulation<br>factor | 2.5         | Catalogic™                        |
| DIETHYLENE<br>GLYCOL,<br>MONOMETHACR<br>YLATE                                         | 2351-43-1  | Modeled<br>Bioconcentration                                 |          | Log Kow                   | 0.03        | Episuite™                         |
| Copper<br>Naphthenates                                                                | 1338-02-9  | Analogous<br>Compound BCF -<br>Fish                         | 42 days  | Bioaccumulation<br>factor | ≤27         | OECD305-Bioconcentration          |
| P-CRESOL,<br>REACTION<br>PRODUCTS<br>WITH<br>DICYCLOPENTA<br>DIENE AND<br>ISOBUTYLENE | 68610-51-5 | Modeled<br>Bioconcentration                                 |          | Bioaccumulation<br>factor | ≤55         | Catalogic™                        |
| Tetrahydrofurfuryl<br>alcohol                                                         | 97-99-4    | Experimental<br>Bioconcentration                            |          | Log Kow                   | -0.11       | OECD 107 log Kow shke<br>flsk mtd |

### 12.4. Mobility in soil

Please contact manufacturer for more details

### 12.5 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials.

## SECTION 14: Transport Information

### Australian Dangerous Goods Code (ADG) - Road/Rail Transport

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Hazchem Code:** Not applicable

**IERG:** Not applicable.

### International Air Transport Association (IATA) - Air Transport

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

### International Maritime Dangerous Goods Code (IMDG)- Marine Transport

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Marine Pollutant:** Not applicable.

## SECTION 15: Regulatory information

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

#### Australian Inventory Status:

All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC). Conditions may apply prior to introduction for direct importers of this product, Please contact 3M Australia on 136 136 for further details.

**Poison Schedule:** This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

## SECTION 16: Other information

### Revision information:

Complete document review.

**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 Safety 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.

Greenguard® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

**3M Australia SDSs are available at [www.3m.com.au](http://www.3m.com.au)**



## Safety Data Sheet

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|                        |            |                         |            |
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This Safety Data Sheet has been prepared in accordance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (Safe Work Australia, December 2011)

### SECTION 1: Identification

#### 1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8805NS Green, Part A

#### 1.2. Recommended use and restrictions on use

##### Recommended use

Adhesive

For Industrial or Professional use only.

#### 1.3. Supplier's details

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| <b>Address:</b>   | 3M Australia - Building A, 1 Rivett Road, North Ryde NSW 2113 |
| <b>Telephone:</b> | 136 136                                                       |
| <b>E Mail:</b>    | productinfo.au@mmm.com                                        |
| <b>Website:</b>   | www.3m.com.au                                                 |

#### 1.4. Emergency telephone number

EMERGENCY: 1800 097 146 (Australia only)

### SECTION 2: Hazard identification

This product is classified as a hazardous chemical according to the Model Work Health and Safety Regulations, 2011, in accordance with applicable State and Territory legislation.

Refer to Section 14 of this Safety Data Sheets for product Dangerous Goods Classification.

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

Acute Toxicity (oral): Category 4.

Serious Eye Damage/Irritation: Category 2.

Skin Sensitizer: Category 1B.

#### 2.2. Label elements

The label elements below were prepared in accordance with the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals (Safe Work Australia, December 2011). This information may be different from the actual product label.

## Signal word

Warning

## Symbols

Exclamation mark |

## Pictograms



## Hazard statements

|      |                                      |
|------|--------------------------------------|
| H302 | Harmful if swallowed.                |
| H319 | Causes serious eye irritation.       |
| H317 | May cause an allergic skin reaction. |

## Precautionary statements

### Prevention:

|       |                                                                        |
|-------|------------------------------------------------------------------------|
| P261  | Avoid breathing dust/fume/gas/mist/vapours/spray.                      |
| P264  | Wash exposed skin thoroughly after handling.                           |
| P270  | Do not eat, drink or smoke when using this product.                    |
| P272  | Contaminated work clothing should not be allowed out of the workplace. |
| P280E | Wear protective gloves.                                                |

### Response:

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P301 + P312        | IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.                                                       |
| P302 + P352        | IF ON SKIN: Wash with plenty of soap and water.                                                                                  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P330               | Rinse mouth.                                                                                                                     |
| P333 + P313        | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |
| P337 + P313        | If eye irritation persists: Get medical advice.                                                                                  |
| P362 + P364        | Take off contaminated clothing and wash it before reuse.                                                                         |

### Disposal:

|      |                                                                                                                |
|------|----------------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with applicable local/regional/national/international regulations. |
|------|----------------------------------------------------------------------------------------------------------------|

## 2.3. Other assigned/identified product hazards

None known.

## 2.4. Other hazards which do not result in classification

Toxic to aquatic life.  
Harmful to aquatic life with long lasting effects.

# SECTION 3: Composition/information on ingredients

This material is a mixture.

| Ingredient          | CAS Nbr    | % by Weight |
|---------------------|------------|-------------|
| Dibenzoate Propanol | 27138-31-4 | 51 - 61     |

|                                                            |              |        |
|------------------------------------------------------------|--------------|--------|
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | Trade Secret | 9 - 19 |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | 13122-18-4   | 1 - 10 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

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

#### Skin contact

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

#### Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. 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

Allergic skin reaction (redness, swelling, blistering, and itching).

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Suitable 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

Hydrocarbons.  
Carbon monoxide.  
Carbon dioxide.

#### Condition

During combustion.  
During combustion.  
During combustion.

### 5.3. Special protective actions 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 vapors, in accordance with good industrial hygiene practice. 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**

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. 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 in accordance with applicable local/regional/national/international regulations.

# **SECTION 7: Handling and storage**

## **7.1. Precautions for safe handling**

For industrial/occupational use only. Not for consumer sale or use. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

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

Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents. Store away from amines.

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

## **8.1 Control parameters**

### **Occupational exposure limits**

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

## **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**

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.

Indirect vented goggles.

Select and use eye protection in accordance with AS/NZS 1336. Eye protection should comply with the performance specifications of AS/NZS 1337.

#### **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. When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of nitrile rubber are recommended. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

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

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

Select and use gloves according to AS/NZ 2161.

### 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.

Select and use respirators according to AS/NZS 1715. Respirators should comply with AS/NZS 1716 performance specifications. For information about respirators, call 3M on 1800 024 464.

## SECTION 9: Physical and chemical properties

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

|                                                          |                                     |
|----------------------------------------------------------|-------------------------------------|
| <b>Physical state</b>                                    | Liquid.                             |
| <b>Specific Physical Form:</b>                           | Paste                               |
| <b>Colour</b>                                            | Blue                                |
| <b>Odour</b>                                             | Mild Hydrocarbon                    |
| <b>Odour threshold</b>                                   | <i>No data available.</i>           |
| <b>pH</b>                                                | <i>Not applicable.</i>              |
| <b>Melting point/Freezing point</b>                      | <i>Not applicable.</i>              |
| <b>Boiling point/Initial boiling point/Boiling range</b> | > 93.3 °C                           |
| <b>Flash point</b>                                       | > 93.3 °C [Test Method: Closed Cup] |
| <b>Evaporation rate</b>                                  | <i>No data available.</i>           |
| <b>Flammability</b>                                      | Not applicable.                     |
| <b>Flammable Limits(LEL)</b>                             | <i>No data available.</i>           |
| <b>Flammable Limits(UEL)</b>                             | <i>No data available.</i>           |
| <b>Vapour pressure</b>                                   | <i>No data available.</i>           |
| <b>Relative Vapor Density</b>                            | <i>No data available.</i>           |
| <b>Density</b>                                           | 1.08 g/ml                           |
| <b>Relative density</b>                                  | 1.08 [Ref Std: WATER=1]             |
| <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>Autoignition temperature</b>                          | <i>No data available.</i>           |
| <b>Decomposition temperature</b>                         | <i>No data available.</i>           |
| <b>Kinematic Viscosity</b>                               | 18,519 mm <sup>2</sup> /sec         |
| <b>Volatile organic compounds (VOC)</b>                  | <i>No data available.</i>           |

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| Percent volatile                            | <i>No data available.</i>                                     |
| VOC less H <sub>2</sub> O & exempt solvents | 4.8 g/l [ <i>Details: when used as intended with Part B</i> ] |
| VOC less H <sub>2</sub> O & exempt solvents | 0.5 % [ <i>Details: when used as intended with Part B</i> ]   |
| VOC less H <sub>2</sub> O & exempt solvents | 59.4 g/l [ <i>Details: as supplied</i> ]                      |
| Molecular weight                            | <i>Not applicable.</i>                                        |

|                          |                        |
|--------------------------|------------------------|
| Particle Characteristics | <i>Not applicable.</i> |
|--------------------------|------------------------|

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

Stable.

### 10.3. Conditions to avoid

Heat.

Sparks and/or flames.

### 10.4. Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

### 10.6 Hazardous decomposition products

#### Substance

#### Condition

None known.

## SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11.1 Information on Toxicological effects

#### 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. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

**Eye contact**

Severe eye irritation: Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.

**Ingestion**

Harmful if swallowed.

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

**Toxicological Data**

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name                                                       | Route                          | Species | Value                                                 |
|------------------------------------------------------------|--------------------------------|---------|-------------------------------------------------------|
| Overall product                                            | Ingestion                      |         | No data available; calculated ATE >300 - =2,000 mg/kg |
| Dibenzoate Propanol                                        | Dermal                         | Rat     | LD50 > 2,000 mg/kg                                    |
| Dibenzoate Propanol                                        | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 200 mg/l                                       |
| Dibenzoate Propanol                                        | Ingestion                      | Rat     | LD50 3,295 mg/kg                                      |
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | Ingestion                      | Rat     | LD50 >300, <2000 mg/kg                                |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Dermal                         | Rat     | LD50 > 2,000 mg/kg                                    |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.8 mg/l                                       |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Ingestion                      | Rat     | LD50 12,905 mg/kg                                     |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                                                       | Species       | Value                     |
|------------------------------------------------------------|---------------|---------------------------|
| Dibenzoate Propanol                                        | Rabbit        | No significant irritation |
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | In vitro data | No significant irritation |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Rabbit        | No significant irritation |

**Serious Eye Damage/Irritation**

| Name                                                       | Species       | Value                     |
|------------------------------------------------------------|---------------|---------------------------|
| Dibenzoate Propanol                                        | Rabbit        | No significant irritation |
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | In vitro data | Severe irritant           |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Rabbit        | No significant irritation |

**Skin Sensitisation**

| Name                                                       | Species    | Value          |
|------------------------------------------------------------|------------|----------------|
| Dibenzoate Propanol                                        | Guinea pig | Not classified |
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | Guinea pig | Not classified |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                 | Guinea pig | Sensitising    |

**Respiratory Sensitisation**

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

**Germ Cell Mutagenicity**

| Name                                                       | Route    | Value         |
|------------------------------------------------------------|----------|---------------|
| Dibenzoate Propanol                                        | In Vitro | Not mutagenic |
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | In Vitro | Not mutagenic |

**Carcinogenicity**

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

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

| Name                | Route     | Value                                  | Species | Test result           | Exposure Duration |
|---------------------|-----------|----------------------------------------|---------|-----------------------|-------------------|
| Dibenzoate Propanol | Ingestion | Not classified for female reproduction | Rat     | NOAEL 500 mg/kg/day   | 2 generation      |
| Dibenzoate Propanol | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 400 mg/kg/day   | 2 generation      |
| Dibenzoate Propanol | Ingestion | Not classified for development         | Rat     | NOAEL 1,000 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 |
|------------------------------------------------------------|------------|------------------------|------------------------------------------------------------------------------|------------------------|---------------------|-------------------|
| Carbomonocyclic carbomonocyclicalkyl heteromonocycletrione | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available |                   |

**Specific Target Organ Toxicity - repeated exposure**

| Name                | Route     | Target Organ(s)      | Value          | Species | Test result           | Exposure Duration |
|---------------------|-----------|----------------------|----------------|---------|-----------------------|-------------------|
| Dibenzoate Propanol | Ingestion | hematopoietic system | Not classified | Rat     | NOAEL 2,500 mg/kg/day | 90 days           |
| Dibenzoate Propanol | Ingestion | liver                | Not classified | Rat     | NOAEL 2,500 mg/kg/day | 90 days           |

**Aspiration Hazard**

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

**Exposure Levels**

Refer Section 8.1 Control Parameters of this Safety Data Sheet.

**Interactive Effects**

Not Determined

**SECTION 12: Ecological information**

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be

reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

## 12.1. Toxicity

### Acute aquatic hazard:

GHS Acute 2: Toxic to aquatic life.

### Chronic aquatic hazard:

GHS Chronic 3: Harmful to aquatic life with long lasting effects.

No product test data available.

| Material                                                     | CAS Number   | Organism            | Type         | Exposure | Test endpoint | Test result |
|--------------------------------------------------------------|--------------|---------------------|--------------|----------|---------------|-------------|
| Dibenzoate Propanol                                          | 27138-31-4   | Fathead minnow      | Experimental | 96 hours | LC50          | 3.7 mg/l    |
| Dibenzoate Propanol                                          | 27138-31-4   | Green algae         | Experimental | 72 hours | EL50          | 4.9 mg/l    |
| Dibenzoate Propanol                                          | 27138-31-4   | Water flea          | Experimental | 48 hours | EL50          | 19.31 mg/l  |
| Dibenzoate Propanol                                          | 27138-31-4   | Green algae         | Experimental | 72 hours | EC10          | 0.89 mg/l   |
| Carbomonocyclic carbomonocyclical kyl heteromonocycletri one | Trade Secret | Chinese rare minnow | Experimental | 96 hours | LC50          | >105 mg/l   |
| Carbomonocyclic carbomonocyclical kyl heteromonocycletri one | Trade Secret | Green algae         | Experimental | 72 hours | ErC50         | >50 mg/l    |
| Carbomonocyclic carbomonocyclical kyl heteromonocycletri one | Trade Secret | Water flea          | Experimental | 48 hours | EC50          | >50 mg/l    |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Green algae         | Experimental | 72 hours | ErC50         | 0.51 mg/l   |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Rainbow trout       | Experimental | 96 hours | LC50          | 7.03 mg/l   |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Water flea          | Experimental | 48 hours | EC50          | >100 mg/l   |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Green algae         | Experimental | 72 hours | NOEC          | 0.125 mg/l  |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Water flea          | Experimental | 21 days  | NOEC          | 0.22 mg/l   |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Activated sludge    | Experimental | 3 hours  | EC50          | 327.02 mg/l |

## 12.2. Persistence and degradability

| Material   | CAS Number | Test type    | Duration | Study Type    | Test result | Protocol             |
|------------|------------|--------------|----------|---------------|-------------|----------------------|
| Dibenzoate | 27138-31-4 | Experimental | 28 days  | CO2 evolution | 85 %CO2     | OECD 301B - Modified |

**3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8805NS Green, Part A**

|                                                              |              |                                          |         |                             |                                       |                                     |
|--------------------------------------------------------------|--------------|------------------------------------------|---------|-----------------------------|---------------------------------------|-------------------------------------|
| Propanol                                                     |              | Biodegradation                           |         |                             | evolution/THCO <sub>2</sub> evolution | sturm or CO <sub>2</sub>            |
| Carbomonocyclic carbomonocyclical kyl heteromonocycletri one | Trade Secret | Experimental Biodegradation              | 28 days | BOD                         | 21.46 %BOD/ThO D                      | OECD 301F - Manometric respirometry |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Experimental Biodegradation              | 28 days | BOD                         | 72 %BOD/ThOD                          | OECD 301D - Closed bottle test      |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Experimental Aquatic Inherent Biodegrad. | 56 days | BOD                         | 58 %BOD/ThOD                          | OECD 302A - Modified SCAS Test      |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Experimental Hydrolysis                  |         | Hydrolytic half-life (pH 7) | 51 hours (t 1/2)                      | OECD 111 Hydrolysis func of pH      |

**12.3 : Bioaccumulative potential**

| Material                                                     | CAS Number   | Test type                     | Duration | Study Type             | Test result | Protocol                     |
|--------------------------------------------------------------|--------------|-------------------------------|----------|------------------------|-------------|------------------------------|
| Dibenzoate Propanol                                          | 27138-31-4   | Modeled Bioconcentration      |          | Bioaccumulation factor | 8           | Catalogic™                   |
| Carbomonocyclic carbomonocyclical kyl heteromonocycletri one | Trade Secret | Experimental Bioconcentration |          | Log Kow                | <0.3        | OECD 117 log Kow HPLC method |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Modeled Bioconcentration      |          | Bioaccumulation factor | 380         | Catalogic™                   |
| tert-Butyl peroxy-3,5,5-trimethylhexanoate                   | 13122-18-4   | Experimental Bioconcentration |          | Log Kow                | 5.16        | OECD 117 log Kow HPLC method |

**12.4. Mobility in soil**

Please contact manufacturer for more details

**12.5 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Disposal methods**

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes.

**SECTION 14: Transport Information****Australian Dangerous Goods Code (ADG) - Road/Rail Transport**

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Hazchem Code:** Not applicable

**IERG:** Not applicable.

**International Air Transport Association (IATA) - Air Transport**

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**International Maritime Dangerous Goods Code (IMDG)- Marine Transport**

**UN No.:** Not applicable.

**Proper shipping name:** Not applicable.

**Class/Division:** Not applicable.

**Sub Risk:** Not applicable.

**Packing Group:** Not applicable.

**Marine Pollutant:** Not applicable.

## **SECTION 15: Regulatory information**

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

**Australian Inventory Status:**

All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC). Conditions may apply prior to introduction for direct importers of this product, Please contact 3M Australia on 136 136 for further details.

**Poison Schedule:** This product is intended for Industrial or Professional Use only and therefore is not packaged and labelled in accordance with the requirements of the Standard for the Uniform Scheduling of Medicines and Poisons.

## **SECTION 16: Other information**

**Revision information:**

Complete document review.

**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 Safety 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.

Greenguard ® is a United States based program. The 'Low VOC' reference related to United States Federal and State regulations exemptions for some solvents.

**3M Australia SDSs are available at [www.3m.com.au](http://www.3m.com.au)**