



## Safety Data Sheet

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|                                       |            |                         |            |
|---------------------------------------|------------|-------------------------|------------|
| <b>Document group:</b>                | 32-6399-3  | <b>Version number:</b>  | 8.00       |
| <b>Revision date:</b>                 | 17/02/2023 | <b>Supersedes date:</b> | 14/10/2022 |
| <b>Transportation version number:</b> |            |                         |            |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

### IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue

#### Product Identification Numbers

62-2863-1445-5      62-2863-3630-0      62-2863-5030-1

7100036719      7100036717      7100291546

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

##### Identified uses

Structural adhesive.

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

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** tox.uk@mmm.com

**Website:** [www.3M.com/uk](http://www.3M.com/uk)

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

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

31-9758-9, 18-1419-3

### TRANSPORTATION INFORMATION

Refer to section 14 of the kit components for transport information.

## KIT LABEL

### 2.1. Classification of the substance or mixture

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

#### CLASSIFICATION:

Acute Toxicity, Category 4 - Acute Tox. 4; H302  
Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318  
Respiratory Sensitization, Category 1 - Resp. Sens. 1; H334  
Skin Sensitization, Category 1 - Skin Sens. 1; H317  
Germ Cell Mutagenicity, Category 2 - Muta. 2; H341  
Reproductive Toxicity, Category 1B - Repr. 1B; H360D  
Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

### 2.2. Label elements

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

#### SIGNAL WORD

DANGER.

#### Symbols

GHS05 (Corrosion) | GHS07 (Exclamation mark) | GHS08 (Health Hazard) | GHS09 (Environment) |

#### Pictograms



#### Contains:

succinic anhydride; maleic anhydride; [2-[(2-Methyl-1-oxoallyl)oxy]ethyl] hydrogen succinate; Boron, hexaethyl[μ-(1,6-hexanediamine-kN1:kN6)]di-; Tetrahydrofurfuryl methacrylate; 2-ethyl-2-[[3-(2-methylaziridin-1-yl)propionyl]methyl]propane-1,3-diyl bis(2-methylaziridine-1-propionate); 2-Ethylhexyl methacrylate; methyl methacrylate

#### HAZARD STATEMENTS:

|       |                                                                            |
|-------|----------------------------------------------------------------------------|
| H302  | Harmful if swallowed.                                                      |
| H318  | Causes serious eye damage.                                                 |
| H334  | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317  | May cause an allergic skin reaction.                                       |
| H341  | Suspected of causing genetic defects.                                      |
| H360D | May damage the unborn child.                                               |
| H411  | Toxic to aquatic life with long lasting effects.                           |

#### PRECAUTIONARY STATEMENTS

##### Prevention:

|       |                                                 |
|-------|-------------------------------------------------|
| P201  | Obtain special instructions before use.         |
| P261A | Avoid breathing vapours.                        |
| P280B | Wear protective gloves and eye/face protection. |

**Response:**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTRE or doctor/physician.                                                                            |
| P342 + P311        | If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.                                                  |

**For containers not exceeding 125 ml the following Hazard and Precautionary statements may be used:**

**<=125 ml Hazard statements**

|       |                                                                            |
|-------|----------------------------------------------------------------------------|
| H318  | Causes serious eye damage.                                                 |
| H334  | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317  | May cause an allergic skin reaction.                                       |
| H341  | Suspected of causing genetic defects.                                      |
| H360D | May damage the unborn child.                                               |

**<=125 ml Precautionary statements****Prevention:**

|       |                                                 |
|-------|-------------------------------------------------|
| P201  | Obtain special instructions before use.         |
| P261A | Avoid breathing vapours.                        |
| P280B | Wear protective gloves and eye/face protection. |

**Response:**

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTRE or doctor/physician.                                                                            |
| P342 + P311        | If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.                                                  |

**SUPPLEMENTAL INFORMATION:****Supplemental Precautionary Statements:**

Restricted to professional users.

Refer to Safety Data Sheet for component % unknown values ([www.3M.com/msds](http://www.3M.com/msds)).

**Revision information:**

GB Kit Information: CLP Percent Unknown information was added.  
GB Label: CLP Ingredients - kit components information was added.  
Label: CLP Percent Unknown - Kit information was deleted.  
Label: CLP Ingredients - kit components information was deleted.  
Section 2: <125ml Precautionary - Prevention information was modified.  
Label: CLP Precautionary - Prevention information was modified.



## Safety Data Sheet

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|                        |            |                         |            |
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| <b>Document group:</b> | 18-1419-3  | <b>Version number:</b>  | 16.00      |
| <b>Revision date:</b>  | 16/02/2023 | <b>Supersedes date:</b> | 12/10/2021 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

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

#### 1.1. Product identifier

3M Scotch-Weld™ Structural Plastic Adhesive DP8010 and Structural Plastic Adhesive 8010, Part A

#### Product Identification Numbers

62-2883-7530-6      62-2883-8530-5

7000046400      7100050479

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

##### Identified uses

Industrial use.

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

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** tox.uk@mmm.com  
**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

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

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

#### CLASSIFICATION:

Acute Toxicity, Category 4 - Acute Tox. 4; H302  
 Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318  
 Respiratory Sensitization, Category 1 - Resp. Sens. 1; H334  
 Skin Sensitization, Category 1 - Skin Sens. 1; H317  
 Germ Cell Mutagenicity, Category 2 - Muta. 2; H341  
 Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

## 2.2. Label elements

**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**

### SIGNAL WORD

DANGER.

### Symbols

GHS05 (Corrosion) | GHS07 (Exclamation mark) | GHS08 (Health Hazard) | GHS09 (Environment) |

### Pictograms



| Ingredient               | CAS Nbr     | EC No.    | % by Wt |
|--------------------------|-------------|-----------|---------|
| Polyfunctional Aziridine | 64265-57-2  | 264-763-3 | 10 - 30 |
| Amine Borane Complex     | 223674-50-8 | 426-100-8 | 1 - 15  |

### HAZARD STATEMENTS:

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| H302 | Harmful if swallowed.                                                      |
| H318 | Causes serious eye damage.                                                 |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317 | May cause an allergic skin reaction.                                       |
| H341 | Suspected of causing genetic defects.                                      |
| H411 | Toxic to aquatic life with long lasting effects.                           |

### PRECAUTIONARY STATEMENTS

#### Prevention:

|       |                                                 |
|-------|-------------------------------------------------|
| P261A | Avoid breathing vapours.                        |
| P280B | Wear protective gloves and eye/face protection. |

#### Response:

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTRE or doctor/physician.                                                                            |
| P342 + P311        | If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.                                                  |

**For containers not exceeding 125 ml the following Hazard and Precautionary statements may be used:**

**<=125 ml Hazard statements**

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| H318 | Causes serious eye damage.                                                 |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H317 | May cause an allergic skin reaction.                                       |
| H341 | Suspected of causing genetic defects.                                      |

#### <=125 ml Precautionary statements

##### Prevention:

|       |                                                 |
|-------|-------------------------------------------------|
| P261A | Avoid breathing vapours.                        |
| P280B | Wear protective gloves and eye/face protection. |

##### Response:

|                    |                                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------|
| P304 + P340        | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                                                       |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310               | Immediately call a POISON CENTRE or doctor/physician.                                                                            |
| P342 + P311        | If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.                                                  |

62% of the mixture consists of components of unknown acute oral toxicity.

Contains 17% of components with unknown hazards to the aquatic environment.

Polyfunctional aziridine is classified as Acute Tox. 2 (H330) based on dust/mist (aerosol) data.

When incorporated into this product, this substance cannot become aerosolized.

Based on available toxicology data and this substance's very low vapour pressure, the saturated vapour of polyfunctional aziridine is not expected to be acutely toxic. Therefore, the classification is not applicable for this material when used as intended.

### 2.3. Other hazards

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines.  
This material does not contain any substances that are assessed to be a PBT or vPvB

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Ingredient                           | Identifier(s)                                      | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB                                              |
|--------------------------------------|----------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------|
| Synthetic Rubber Oligomer            | Trade Secret                                       | 40 - 70 | Substance not classified as hazardous                                                                                           |
| Polyfunctional Aziridine             | (CAS-No.) 64265-57-2<br>(EC-No.) 264-763-3         | 10 - 30 | Acute Tox. 2, H330<br>Eye Dam. 1, H318<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317<br>Muta. 2, H341<br>Aquatic Chronic 2, H411 |
| Amine Borane Complex                 | (CAS-No.) 223674-50-8<br>(EC-No.) ELINCS 426-100-8 | 1 - 15  | Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                                                  |
| Silane, trimethoxyoctyl-, hydrolysis | (CAS-No.) 67762-90-7                               | 1 - 5   | Substance with a national occupational                                                                                          |

|                      |  |  |                |
|----------------------|--|--|----------------|
| products with silica |  |  | exposure limit |
|----------------------|--|--|----------------|

Please see section 16 for the full text of any H statements referred to in this section

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Remove person to fresh air. If you 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 for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

The most important symptoms and effects based on the GB CLP classification include:

Allergic respiratory reaction (difficulty breathing, wheezing, cough, and tightness of chest). Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision). Harmful if swallowed.

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

Not applicable

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

### Hazardous Decomposition or By-Products

#### Substance

Aldehydes.  
Amine compounds.  
Carbon monoxide  
Carbon dioxide.  
Oxides of nitrogen.  
Toxic vapour, gas, particulate.

#### Condition

During combustion.  
During combustion.  
During combustion.  
During combustion.  
During combustion.  
During combustion.

### 5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

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

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. 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. Use personal protective equipment (eg. gloves, respirators...) as required.

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

Protect from sunlight. Store away from heat. Store away from acids.

### 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

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

| <b>Ingredient</b> | <b>CAS Nbr</b> | <b>Agency</b> | <b>Limit type</b>                                                                         | <b>Additional comments</b> |
|-------------------|----------------|---------------|-------------------------------------------------------------------------------------------|----------------------------|
| Silicon dioxide   | 67762-90-7     | UK HSC        | TWA(as respirable dust):2.4 mg/m <sup>3</sup> ;TWA(as inhalable dust):6 mg/m <sup>3</sup> |                            |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

#### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment. Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining.

### 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:  
Indirect vented goggles.

#### *Applicable Norms/Standards*

Use eye protection conforming to EN 166

#### Skin/hand protection

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

| Material         | Thickness (mm)    | Breakthrough Time |
|------------------|-------------------|-------------------|
| Polymer laminate | No data available | No data available |

#### *Applicable Norms/Standards*

Use gloves tested to EN 374

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

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

#### *Applicable Norms/Standards*

Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

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

|                              |                            |
|------------------------------|----------------------------|
| Physical state               | Liquid.                    |
| Specific Physical Form:      | Viscous Liquid             |
| Colour                       | Colourless                 |
| Odor                         | Mild Acrylic               |
| Odour threshold              | No data available.         |
| Melting point/freezing point | Not applicable.            |
| Boiling point/boiling range  | >=98.9 °C [ @ 101,325 Pa ] |

|                                        |                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------|
| Flammability (solid, gas)              | Not applicable.                                                                      |
| Flammable Limits(LEL)                  | No data available.                                                                   |
| Flammable Limits(UEL)                  | No data available.                                                                   |
| Flash point                            | 96.7 °C [Test Method:Closed Cup] [Details:Specific method: SETAFLASH ASTM D-3278-96] |
| Autoignition temperature               | No data available.                                                                   |
| Decomposition temperature              | No data available.                                                                   |
| pH                                     | substance/mixture is non-soluble (in water)                                          |
| Kinematic Viscosity                    | 28,222 mm <sup>2</sup> /sec                                                          |
| Water solubility                       | Slight (less than 10%)                                                               |
| Solubility- non-water                  | No data available.                                                                   |
| Partition coefficient: n-octanol/water | No data available.                                                                   |
| Vapour pressure                        | 13.3 Pa [@ 20 °C ] [Details:MIT data]                                                |
| Density                                | 1.063 g/ml [@ 20 °C ]                                                                |
| Relative density                       | 1.063 [Ref Std:WATER=1]                                                              |
| Relative Vapour Density                | No data available.                                                                   |

## 9.2. Other information

### 9.2.2 Other safety characteristics

|                               |                       |
|-------------------------------|-----------------------|
| EU Volatile Organic Compounds | No data available.    |
| Evaporation rate              | No data available.    |
| Molecular weight              | No data available.    |
| Percent volatile              | 0 % [Test Method:ACS] |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

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

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

Heat.

### 10.5 Incompatible materials

Strong acids.

### 10.6 Hazardous decomposition products

| <u>Substance</u> | <u>Condition</u> |
|------------------|------------------|
| None known.      |                  |

Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

### 11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

#### Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

#### Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Allergic respiratory reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest.

#### Skin contact

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

#### Eye contact

Corrosive (eye burns): Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

#### Ingestion

Harmful if swallowed.

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

#### Additional Health Effects:

#### Genotoxicity:

Genotoxicity and Mutagenicity: May interact with genetic material and possibly alter gene expression.

#### Additional information:

Persons previously sensitised to amines may develop a cross-sensitisation reaction to certain other amines.

#### 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 |
| Polyfunctional Aziridine                                  | Dermal                         | Rabbit  | LD50 > 3,000 mg/kg                                    |
| Polyfunctional Aziridine                                  | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 0.252 mg/l                                       |
| Polyfunctional Aziridine                                  | Ingestion                      | Rat     | LD50 3,038 mg/kg                                      |
| Amine Borane Complex                                      | Ingestion                      | Rat     | LD50 693 mg/kg                                        |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Dermal                         | Rabbit  | LD50 > 5,000 mg/kg                                    |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Inhalation-Dust/Mist (4 hours) | Rat     | LC50 > 0.691 mg/l                                     |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Ingestion                      | Rat     | LD50 > 5,110 mg/kg                                    |

ATE = acute toxicity estimate

#### Skin Corrosion/Irritation

| Name                     | Species | Value                     |
|--------------------------|---------|---------------------------|
| Polyfunctional Aziridine | Rabbit  | Mild irritant             |
| Amine Borane Complex     | Rabbit  | No significant irritation |

**3M Scotch-Weld™ Structural Plastic Adhesive DP8010 and Structural Plastic Adhesive 8010, Part A**

|                                                           |        |                           |
|-----------------------------------------------------------|--------|---------------------------|
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Rabbit | No significant irritation |
|-----------------------------------------------------------|--------|---------------------------|

**Serious Eye Damage/Irritation**

| Name                                                      | Species                | Value                     |
|-----------------------------------------------------------|------------------------|---------------------------|
| Polyfunctional Aziridine                                  | Rabbit                 | Corrosive                 |
| Amine Borane Complex                                      | Professional judgement | Severe irritant           |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Rabbit                 | No significant irritation |

**Skin Sensitisation**

| Name                                                      | Species          | Value          |
|-----------------------------------------------------------|------------------|----------------|
| Polyfunctional Aziridine                                  | Human and animal | Sensitising    |
| Amine Borane Complex                                      | Guinea pig       | Sensitising    |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Human and animal | Not classified |

**Respiratory Sensitisation**

| Name                     | Species | Value       |
|--------------------------|---------|-------------|
| Polyfunctional Aziridine | Human   | Sensitising |

**Germ Cell Mutagenicity**

| Name                                                      | Route    | Value         |
|-----------------------------------------------------------|----------|---------------|
| Polyfunctional Aziridine                                  | In vivo  | Mutagenic     |
| Amine Borane Complex                                      | In Vitro | Not mutagenic |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | In Vitro | Not mutagenic |

**Carcinogenicity**

| Name                                                      | Route          | Species | Value                                                                        |
|-----------------------------------------------------------|----------------|---------|------------------------------------------------------------------------------|
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Not specified. | Mouse   | 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    |
|-----------------------------------------------------------|-----------|----------------------------------------|---------|-----------------------|----------------------|
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Ingestion | Not classified for female reproduction | Rat     | NOAEL 509 mg/kg/day   | 1 generation         |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Ingestion | Not classified for male reproduction   | Rat     | NOAEL 497 mg/kg/day   | 1 generation         |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Ingestion | Not classified for development         | Rat     | NOAEL 1,350 mg/kg/day | during organogenesis |

**Target Organ(s)****Specific Target Organ Toxicity - single exposure**

| Name                     | Route      | Target Organ(s)        | Value                                                         | Species | Test result         | Exposure Duration |
|--------------------------|------------|------------------------|---------------------------------------------------------------|---------|---------------------|-------------------|
| Polyfunctional Aziridine | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for | Rat     | NOAEL Not available | 4 hours           |

|  |  |  |                |  |  |  |
|--|--|--|----------------|--|--|--|
|  |  |  | classification |  |  |  |
|--|--|--|----------------|--|--|--|

**Specific Target Organ Toxicity - repeated exposure**

| Name                                                      | Route      | Target Organ(s)                | Value          | Species | Test result         | Exposure Duration     |
|-----------------------------------------------------------|------------|--------------------------------|----------------|---------|---------------------|-----------------------|
| Silane, trimethoxyoctyl-, hydrolysis products with silica | Inhalation | respiratory system   silicosis | Not classified | Human   | NOAEL Not available | occupational exposure |

**Aspiration Hazard**

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

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

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

**SECTION 12: Ecological information**

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**12.1. Toxicity**

No product test data available.

| Material                                                  | CAS #        | Organism                      | Type                                                  | Exposure | Test endpoint | Test result |
|-----------------------------------------------------------|--------------|-------------------------------|-------------------------------------------------------|----------|---------------|-------------|
| Synthetic Rubber Oligomer                                 | Trade Secret | N/A                           | Data not available or insufficient for classification | N/A      | N/A           | N/A         |
| Polyfunctional Aziridine                                  | 64265-57-2   | Algae or other aquatic plants | Experimental                                          | 72 hours | EC50          | 3.8 mg/l    |
| Polyfunctional Aziridine                                  | 64265-57-2   | Fish                          | Experimental                                          | 96 hours | LC50          | 2.35 mg/l   |
| Polyfunctional Aziridine                                  | 64265-57-2   | Invertebrate                  | Experimental                                          | 48 hours | EC50          | 6.96 mg/l   |
| Amine Borane Complex                                      | 223674-50-8  | N/A                           | Data not available or insufficient for classification | N/A      | N/A           | N/A         |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | 67762-90-7   | N/A                           | Data not available or insufficient for classification | N/A      | N/A           | N/A         |

**12.2. Persistence and degradability**

| Material                                      | CAS Nbr      | Test type                         | Duration | Study Type    | Test result                        | Protocol                          |
|-----------------------------------------------|--------------|-----------------------------------|----------|---------------|------------------------------------|-----------------------------------|
| Synthetic Rubber Oligomer                     | Trade Secret | Data not available - insufficient | N/A      | N/A           | N/A                                | N/A                               |
| Polyfunctional Aziridine                      | 64265-57-2   | Experimental Biodegradation       | 28 days  | CO2 evolution | <60 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Amine Borane Complex                          | 223674-50-8  | Experimental Biodegradation       | 28 days  | CO2 evolution | 44 %CO2 evolution/THCO2 evolution  | EC C.4.C. CO2 Evolution Test      |
| Silane, trimethoxyoctyl-, hydrolysis products | 67762-90-7   | Data not available - insufficient | N/A      | N/A           | N/A                                | N/A                               |

|             |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|
| with silica |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|

### 12.3 : Bioaccumulative potential

| Material                                                  | Cas No.      | Test type                                             | Duration | Study Type | Test result | Protocol                     |
|-----------------------------------------------------------|--------------|-------------------------------------------------------|----------|------------|-------------|------------------------------|
| Synthetic Rubber Oligomer                                 | Trade Secret | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A                          |
| Polyfunctional Aziridine                                  | 64265-57-2   | Modeled Bioconcentration                              |          | Log Kow    | 0.5         | ACD/Labs ChemSketch™         |
| Amine Borane Complex                                      | 223674-50-8  | Experimental Bioconcentration                         |          | Log Kow    | >5.99       | EC A.8 Partition Coefficient |
| Silane, trimethoxyoctyl-, hydrolysis products with silica | 67762-90-7   | Data not available or insufficient for classification | N/A      | N/A        | N/A         | N/A                          |

### 12.4. Mobility in soil

| Material                 | Cas No.    | Test type                | Study Type | Test result | Protocol  |
|--------------------------|------------|--------------------------|------------|-------------|-----------|
| Polyfunctional Aziridine | 64265-57-2 | Modeled Mobility in Soil | Koc        | 19,000 l/kg | Episuite™ |

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

This material does not contain any substances that are assessed to be a PBT or vPvB

### 12.6. Other adverse effects

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

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

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

08 04 09\* Waste adhesives and sealants containing organic solvents or other dangerous substances  
20 01 27\* Paint, inks, adhesives and resins containing dangerous substances

## SECTION 14: Transportation information

Not hazardous for transportation.

|                                                                                  | Ground Transport (ADR)                                                 | Air Transport (IATA)                                                   | Marine Transport (IMDG)                                                |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>14.1 UN number</b>                                                            | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.2 UN proper shipping name</b>                                              | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.3 Transport hazard class(es)</b>                                           | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.4 Packing group</b>                                                        | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.5 Environmental hazards</b>                                                | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.6 Special precautions for user</b>                                         | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b> | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Control Temperature</b>                                                       | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Emergency Temperature</b>                                                     | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>ADR Classification Code</b>                                                   | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>IMDG Segregation Code</b>                                                     | No data available.                                                     | No data available.                                                     | No data available.                                                     |

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

## SECTION 15: Regulatory information

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

#### Global inventory status

Contact 3M for more information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory.

#### COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1

| Hazard Categories                       | Qualifying quantity (tonnes) for the application of |                         |
|-----------------------------------------|-----------------------------------------------------|-------------------------|
|                                         | Lower-tier requirements                             | Upper-tier requirements |
| E2 Hazardous to the Aquatic environment | 200                                                 | 500                     |

Seveso named dangerous substances, Annex 1, Part 2  
None

**Regulation (EU) No 649/2012, as amended for GB**

No chemicals listed

**15.2. Chemical Safety Assessment**

A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

**SECTION 16: Other information****List of relevant H statements**

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| H302 | Harmful if swallowed.                                                      |
| H317 | May cause an allergic skin reaction.                                       |
| H318 | Causes serious eye damage.                                                 |
| H319 | Causes serious eye irritation.                                             |
| H330 | Fatal if inhaled.                                                          |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H341 | Suspected of causing genetic defects.                                      |
| H411 | Toxic to aquatic life with long lasting effects.                           |

**Revision information:**

GB Section 02: CLP Ingredient table information was added.  
GB Section 02: Other hazards phrase information was added.  
GB Section 04: First Aid - Symptoms and Effects (GB CLP) information was added.  
GB Section 04: Information on toxicological effects information was added.  
GB Section 12: Classification Warning information was added.  
GB Section 15: Chemical Safety Assessment information was added.  
GB Section 15: Label remarks and EU Detergent information was added.  
GBSDS Section 14 Transport in bulk - Main Heading information was added.  
GBSDS Section 14 UN Number information was added.  
Section 2: <125ml Precautionary - Prevention information was modified.  
CLP: Ingredient table information was deleted.  
Label: CLP Classification information was modified.  
Label: CLP Environmental Hazard Statements information was added.  
Label: CLP Percent Unknown information was deleted.  
Label: CLP Precautionary - Prevention information was modified.  
Section 02: Label Elements: GB Percent Unknown information was added.  
Label: Graphic information was modified.  
Section 2: Other hazards phrase information was deleted.  
Section 3: Composition/ Information of ingredients table information was added.  
Section 3: Composition/ Information of ingredients table information was deleted.  
Section 04: First Aid - Symptoms and Effects (CLP) information was deleted.  
Section 04: Information on toxicological effects information was deleted.  
Section 09: Kinematic Viscosity information information was modified.  
Section 9: Vapour density value information was modified.  
Section 11: Acute Toxicity table information was modified.  
Section 11: Classification disclaimer information was deleted.  
Section 11: GB Classification disclaimer information was added.  
Section 11: GB No endocrine disruptor information available warning information was added.  
Section 11: Germ Cell Mutagenicity Table information was modified.  
Section 11: Health Effects - Ingestion information information was modified.  
Section 11: Health Effects - Inhalation information information was modified.  
Section 11: Health Effects - Skin information information was modified.  
Section 11: No endocrine disruptor information available warning information was deleted.

Section 11: Reproductive Toxicity Table information was modified.  
Section 11: Serious Eye Damage/Irritation Table information was modified.  
Section 11: Skin Corrosion/Irritation Table information was modified.  
Section 11: Skin Sensitization Table information was modified.  
Section 11: Target Organs - Repeated Table information was added.  
Section 11: Target Organs - Repeated Table information was deleted.  
Section 12: 12.6. Endocrine Disrupting Properties information was deleted.  
Section 12: 12.6. Other adverse effects information was added.  
Section 12: 12.7. Other adverse effects information was deleted.  
Section 12: Classification Warning information was deleted.  
Section 12: Component ecotoxicity information information was modified.  
Section 12: Mobility in soil information information was added.  
Prints No Data if Adverse effects information is not present information was deleted.  
Section 12: No Data text for mobility in soil information was deleted.  
Section 12: No endocrine disruptor information available warning information was added.  
Section 12: No endocrine disruptor information available warning information was deleted.  
Section 12: Persistence and Degradability information information was modified.  
Section 12: Biocumulative potential information information was modified.  
Section 14 Multiplier – Main Heading information was deleted.  
Section 14 Multiplier – Regulation Data information was deleted.  
Section 14 Transport Category – Main Heading information was deleted.  
Section 14 Transport Category – Regulation Data information was deleted.  
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.  
Section 14 Tunnel Code – Main Heading information was deleted.  
Section 14 Tunnel Code – Regulation Data information was deleted.  
Section 14 UN Number information was deleted.  
Section 15: Chemical Safety Assessment information was deleted.  
Section 15: Label remarks and EU Detergent information was deleted.  
Section 15: Seveso Hazard Category Text information was added.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material.  
information was added.  
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material.  
information was deleted.  
Section 16: Web address information was added.  
Section 16: Web address information was deleted.  
Section 2: No PBT/vPvB information available warning information was added.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

**3M SDSs for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**

For Northern Ireland documents, please contact your 3M representative to obtain a copy.



## Safety Data Sheet

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**Document group:** 31-9758-9  
**Revision date:** 12/10/2021

**Version number:** 6.02  
**Supersedes date:** 18/06/2021

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

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

#### 1.1. Product identifier

3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue and Structural Plastic Adhesive 8010 Blue, Part B

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

##### Identified uses

Industrial use.

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

**Address:** 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.  
**Telephone:** +44 (0)1344 858 000  
**E Mail:** tox.uk@mmm.com  
**Website:** www.3M.com/uk

#### 1.4. Emergency telephone number

+44 (0)1344 858 000

### SECTION 2: Hazard identification

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

CLP REGULATION (EC) No 1272/2008

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

##### CLASSIFICATION:

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

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

Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

## 2.2. Label elements

### CLP REGULATION (EC) No 1272/2008

#### SIGNAL WORD

DANGER.

#### Symbols

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

#### Pictograms



#### Ingredients:

| Ingredient                      | CAS Nbr    | EC No.    | % by Wt |
|---------------------------------|------------|-----------|---------|
| Tetrahydrofurfuryl Methacrylate | 2455-24-5  | 219-529-5 | 30 - 60 |
| 2-Ethylhexyl Methacrylate       | 688-84-6   | 211-708-6 | 10 - 30 |
| Impact Modifier                 | 20882-04-6 | 244-096-4 | 1 - 9   |
| succinic anhydride              | 108-30-5   | 203-570-0 | < 0.6   |
| methyl methacrylate             | 80-62-6    | 201-297-1 | < 0.2   |
| maleic anhydride                | 108-31-6   | 203-571-6 | < 0.002 |

#### HAZARD STATEMENTS:

|       |                                                    |
|-------|----------------------------------------------------|
| H317  | May cause an allergic skin reaction.               |
| H360D | May damage the unborn child.                       |
| H412  | Harmful to aquatic life with long lasting effects. |

#### PRECAUTIONARY STATEMENTS

##### Prevention:

|       |                                                    |
|-------|----------------------------------------------------|
| P201  | Obtain special instructions before use.            |
| P280K | Wear protective gloves and respiratory protection. |

##### Response:

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

For containers not exceeding 125 ml the following Hazard and Precautionary statements may be used:

#### <=125 ml Hazard statements

|       |                                                    |
|-------|----------------------------------------------------|
| H317  | May cause an allergic skin reaction.               |
| H360D | May damage the unborn child.                       |
| H412  | Harmful to aquatic life with long lasting effects. |

#### <=125 ml Precautionary statements

##### Prevention:

|       |                                                    |
|-------|----------------------------------------------------|
| P201  | Obtain special instructions before use.            |
| P280K | Wear protective gloves and respiratory protection. |

**Response:**

P308 + P313

IF exposed or concerned: Get medical advice/attention.

P333 + P313

If skin irritation or rash occurs: Get medical advice/attention.

**SUPPLEMENTAL INFORMATION:****Supplemental Precautionary Statements:**

Restricted to professional users.

4% of the mixture consists of components of unknown acute oral toxicity.

Contains 6% of components with unknown hazards to the aquatic environment.

**2.3. Other hazards**

None known.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

| <b>Ingredient</b>               | <b>Identifier(s)</b>                                                      | <b>%</b> | <b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>                                              |
|---------------------------------|---------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------|
| Tetrahydrofurfuryl Methacrylate | (CAS-No.) 2455-24-5<br>(EC-No.) 219-529-5<br>(REACH-No.) 01-2120748481-53 | 30 - 60  | Skin Sens. 1, H317<br>Repr. 1B, H360D<br>Aquatic Chronic 3, H412                                                    |
| Acrylate Polymer                | Trade Secret                                                              | 10 - 30  | Substance not classified as hazardous                                                                               |
| 2-Ethylhexyl Methacrylate       | (CAS-No.) 688-84-6<br>(EC-No.) 211-708-6                                  | 10 - 30  | Skin Sens. 1B, H317<br>Aquatic Chronic 3, H412                                                                      |
| Impact Modifier                 | (CAS-No.) 20882-04-6<br>(EC-No.) 244-096-4                                | 1 - 9    | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317                                                     |
| Dibutyl Itaconate               | (CAS-No.) 2155-60-4<br>(EC-No.) 218-451-9                                 | 0.1 - 5  | Substance not classified as hazardous                                                                               |
| Glass Microspheres              | Trade Secret                                                              | 0.1 - 5  | Substance not classified as hazardous                                                                               |
| naphthenic acids, copper salts  | (CAS-No.) 1338-02-9<br>(EC-No.) 215-657-0                                 | < 1      | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Aquatic Acute 1, H400,M=10<br>Aquatic Chronic 1, H410,M=1               |
| succinic anhydride              | (CAS-No.) 108-30-5<br>(EC-No.) 203-570-0                                  | < 0.6    | EUH071<br>Acute Tox. 4, H302<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Resp. Sens. 1, H334<br>Skin Sens. 1, H317 |
| tetrahydro-2-furyl-methanol     | (CAS-No.) 97-99-4<br>(EC-No.) 202-625-6                                   | < 0.3    | Eye Irrit. 2, H319<br>Repr. 1B, H360Df                                                                              |

|                     |                                          |         |                                                                                                                                                                                                         |
|---------------------|------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                     |                                          |         |                                                                                                                                                                                                         |
| methyl methacrylate | (CAS-No.) 80-62-6<br>(EC-No.) 201-297-1  | < 0.2   | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Nota D                                                                                                            |
| styrene             | (CAS-No.) 100-42-5<br>(EC-No.) 202-851-5 | < 0.2   | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Repr. 2, H361d<br>STOT RE 1, H372<br>Nota D<br>Aquatic Chronic 3, H412<br>Asp. Tox. 1, H304<br>STOT SE 3, H335 |
| maleic anhydride    | (CAS-No.) 108-31-6<br>(EC-No.) 203-571-6 | < 0.002 | EUH071<br>Acute Tox. 4, H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Resp. Sens. 1, H334<br>Skin Sens. 1A, H317<br>STOT RE 1, H372                                                                |

Please see section 16 for the full text of any H statements referred to in this section

#### Specific Concentration Limits

| Ingredient       | Identifier(s)                            | Specific Concentration Limits    |
|------------------|------------------------------------------|----------------------------------|
| maleic anhydride | (CAS-No.) 108-31-6<br>(EC-No.) 203-571-6 | (C ≥ 0.001%) Skin Sens. 1A, H317 |

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

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

#### Skin contact

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

#### Eye contact

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### If swallowed

Rinse mouth. If you feel unwell, get medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

The most important symptoms and effects based on the CLP classification include:  
Allergic skin reaction (redness, swelling, blistering, and itching).

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

Not applicable

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

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

None inherent in this product.

#### Hazardous Decomposition or By-Products

| <u>Substance</u>    | <u>Condition</u>   |
|---------------------|--------------------|
| Hydrocarbons.       | During combustion. |
| Carbon monoxide     | During combustion. |
| Carbon dioxide.     | During combustion. |
| Hydrogen cyanide.   | During combustion. |
| Oxides of nitrogen. | During combustion. |

#### 5.3. Advice for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

#### 6.2. Environmental precautions

Avoid release to the environment. For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

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

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.

#### 6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. 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. Use personal protective equipment (eg. gloves, respirators...) as required.

## 7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Store away from acids.

## 7.3. Specific end use(s)

See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

### Occupational exposure limits

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

| Ingredient          | CAS Nbr  | Agency | Limit type                                           | Additional comments    |
|---------------------|----------|--------|------------------------------------------------------|------------------------|
| styrene             | 100-42-5 | UK HSC | TWA:430 mg/m3(100 ppm);STEL:1080 mg/m3(250 ppm)      |                        |
| maleic anhydride    | 108-31-6 | UK HSC | TWA: 1 mg/m <sup>3</sup> ; STEL: 3 mg/m <sup>3</sup> | Respiratory Sensitizer |
| methyl methacrylate | 80-62-6  | UK HSC | TWA:208 mg/m3(50 ppm);STEL:416 mg/m3(100 ppm)        |                        |

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

### Biological limit values

No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

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

## 8.2. Exposure controls

### 8.2.1. Engineering controls

Provide appropriate local exhaust ventilation for cutting, grinding, sanding or machining. 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.

#### Applicable Norms/Standards

Use eye protection conforming to EN 166

#### Skin/hand protection

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

| Material         | Thickness (mm)    | Breakthrough Time |
|------------------|-------------------|-------------------|
| Polymer laminate | No data available | No data available |

#### Applicable Norms/Standards

Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (eg. spraying, high splash potential etc.), then use of protective coveralls may be necessary. Select and use body protection to prevent contact based on the results of an exposure assessment. The following protective clothing material(s) are recommended: Apron - polymer laminate

#### Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

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

#### Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136: filter types A & P

## SECTION 9: Physical and chemical properties

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

|                                        |                                             |
|----------------------------------------|---------------------------------------------|
| Physical state                         | Liquid.                                     |
| Specific Physical Form:                | Paste                                       |
| Colour                                 | Blue-Green                                  |
| Odor                                   | Mild Acrylic                                |
| Odour threshold                        | No data available.                          |
| Melting point/freezing point           | Not applicable.                             |
| Boiling point/boiling range            | No data available.                          |
| Flammability (solid, gas)              | Not applicable.                             |
| Flammable Limits(LEL)                  | No data available.                          |
| Flammable Limits(UEL)                  | No data available.                          |
| Flash point                            | 106.1 °C [Test Method:Closed Cup]           |
| Autoignition temperature               | No data available.                          |
| Decomposition temperature              | No data available.                          |
| pH                                     | substance/mixture is non-soluble (in water) |
| Kinematic Viscosity                    | No data available.                          |
| Water solubility                       | Slight (less than 10%)                      |
| Solubility- non-water                  | No data available.                          |
| Partition coefficient: n-octanol/water | No data available.                          |
| Vapour pressure                        | No data available.                          |
| Density                                | 0.95 - 1.05 g/ml                            |
| Relative density                       | 0.95 - 1.05 [Ref Std:WATER=1]               |
| Relative Vapor Density                 | No data available.                          |

### 9.2. Other information

**9.2.2 Other safety characteristics****EU Volatile Organic Compounds***No data available.***Evaporation rate***No data available.***Molecular weight***No data available.***SECTION 10: Stability and reactivity****10.1 Reactivity**

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

**10.2 Chemical stability**

Stable.

**10.3 Possibility of hazardous reactions**

Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**

Heat.

Sparks and/or flames.

**10.5 Incompatible materials**

Strong acids.

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

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

**SECTION 11: Toxicological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from internal hazard assessments.

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Signs and Symptoms of Exposure**

Based on test data and/or information on the components, this material may produce the following health effects:

**Inhalation**

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. Allergic respiratory reaction: Signs/symptoms may include difficulty breathing, wheezing, cough, and tightness of chest. May cause additional health effects (see below).

**Skin contact**

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

**Eye contact**

Contact with the eyes during product use is not expected to result in significant irritation.

**Ingestion**

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

**Additional Health Effects:**
**Reproductive/Developmental Toxicity:**

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

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

**Toxicological Data**

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

**Acute Toxicity**

| Name                            | Route                       | Species                | Value                                                 |
|---------------------------------|-----------------------------|------------------------|-------------------------------------------------------|
| Overall product                 | Dermal                      |                        | No data available; calculated ATE 2,000 - 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              |
| 2-Ethylhexyl Methacrylate       | Dermal                      |                        | LD50 estimated to be > 5,000 mg/kg                    |
| 2-Ethylhexyl Methacrylate       | Ingestion                   | Rat                    | LD50 > 2,000 mg/kg                                    |
| Impact Modifier                 | Dermal                      |                        | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| Impact Modifier                 | Ingestion                   |                        | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| naphthenic acids, copper salts  | Dermal                      | similar compounds      | LD50 > 2,000 mg/kg                                    |
| naphthenic acids, copper salts  | Ingestion                   | similar compounds      | LD50 >300, < 2,000 mg/kg                              |
| succinic anhydride              | Dermal                      | Rat                    | LD50 > 2,000 mg/kg                                    |
| succinic anhydride              | Ingestion                   | Rat                    | LD50 1,510 mg/kg                                      |
| tetrahydro-2-furyl-methanol     | Dermal                      | Professional judgement | LD50 estimated to be 2,000 - 5,000 mg/kg              |
| tetrahydro-2-furyl-methanol     | Inhalation-Vapour (4 hours) | Rat                    | LC50 > 3.1 mg/l                                       |
| tetrahydro-2-furyl-methanol     | Ingestion                   | Rat                    | LD50 > 2,000 mg/kg                                    |
| methyl methacrylate             | Dermal                      | Rabbit                 | LD50 > 5,000 mg/kg                                    |
| methyl methacrylate             | Inhalation-Vapour (4 hours) | Rat                    | LC50 29 mg/l                                          |
| methyl methacrylate             | Ingestion                   | Rat                    | LD50 7,900 mg/kg                                      |
| styrene                         | Dermal                      | Rat                    | LD50 > 2,000 mg/kg                                    |
| styrene                         | Inhalation-Vapour (4 hours) | Rat                    | LC50 11.8 mg/l                                        |
| styrene                         | Ingestion                   | Rat                    | LD50 5,000 mg/kg                                      |
| maleic anhydride                | Dermal                      | Rabbit                 | LD50 2,620 mg/kg                                      |
| maleic anhydride                | Ingestion                   | Rat                    | LD50 1,030 mg/kg                                      |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name                            | Species                | Value                     |
|---------------------------------|------------------------|---------------------------|
| Tetrahydrofurfuryl Methacrylate | Rabbit                 | No significant irritation |
| 2-Ethylhexyl Methacrylate       | Rabbit                 | Minimal irritation        |
| Impact Modifier                 | Not applicable         | Irritant                  |
| naphthenic acids, copper salts  | Rabbit                 | No significant irritation |
| succinic anhydride              | In vitro data          | Corrosive                 |
| tetrahydro-2-furyl-methanol     | Rabbit                 | No significant irritation |
| methyl methacrylate             | Human and animal       | Mild irritant             |
| styrene                         | Professional judgement | Mild irritant             |
| maleic anhydride                | Human and animal       | Corrosive                 |

**Serious Eye Damage/Irritation**

| Name                            | Species                | Value                     |
|---------------------------------|------------------------|---------------------------|
| Tetrahydrofurfuryl Methacrylate | Rabbit                 | No significant irritation |
| 2-Ethylhexyl Methacrylate       | Rabbit                 | No significant irritation |
| Impact Modifier                 | Not available          | Severe irritant           |
| naphthenic acids, copper salts  | In vitro data          | No significant irritation |
| succinic anhydride              | similar health hazards | Corrosive                 |
| tetrahydro-2-furyl-methanol     | Rabbit                 | Severe irritant           |
| methyl methacrylate             | Rabbit                 | Moderate irritant         |
| styrene                         | Professional judgement | Moderate irritant         |
| maleic anhydride                | Rabbit                 | Corrosive                 |

**Skin Sensitisation**

| Name                            | Species           | Value          |
|---------------------------------|-------------------|----------------|
| Tetrahydrofurfuryl Methacrylate | In vitro data     | Sensitising    |
| 2-Ethylhexyl Methacrylate       | Guinea pig        | Sensitising    |
| Impact Modifier                 | similar compounds | Sensitising    |
| naphthenic acids, copper salts  | Guinea pig        | Not classified |
| succinic anhydride              | Mouse             | Sensitising    |
| tetrahydro-2-furyl-methanol     | Mouse             | Not classified |
| methyl methacrylate             | Human and animal  | Sensitising    |
| styrene                         | Guinea pig        | Not classified |
| maleic anhydride                | Multiple          | Sensitising    |

|  |                |  |
|--|----------------|--|
|  | animal species |  |
|--|----------------|--|

### Respiratory Sensitisation

| Name                | Species           | Value          |
|---------------------|-------------------|----------------|
| succinic anhydride  | similar compounds | Sensitising    |
| methyl methacrylate | Human             | Not classified |
| maleic anhydride    | Human             | Sensitising    |

### Germ Cell Mutagenicity

| Name                            | Route    | Value                                                                        |
|---------------------------------|----------|------------------------------------------------------------------------------|
| Tetrahydrofurfuryl Methacrylate | In Vitro | Not mutagenic                                                                |
| Impact Modifier                 | In Vitro | Not mutagenic                                                                |
| succinic anhydride              | In Vitro | Not mutagenic                                                                |
| tetrahydro-2-furyl-methanol     | In Vitro | Not mutagenic                                                                |
| methyl methacrylate             | In vivo  | Not mutagenic                                                                |
| methyl methacrylate             | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| styrene                         | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| styrene                         | In vivo  | Some positive data exist, but the data are not sufficient for classification |
| maleic anhydride                | In vivo  | Not mutagenic                                                                |
| maleic anhydride                | In Vitro | Some positive data exist, but the data are not sufficient for classification |

### Carcinogenicity

| Name                | Route      | Species                 | Value            |
|---------------------|------------|-------------------------|------------------|
| succinic anhydride  | Ingestion  | Multiple animal species | Not carcinogenic |
| methyl methacrylate | Ingestion  | Rat                     | Not carcinogenic |
| methyl methacrylate | Inhalation | Human and animal        | Not carcinogenic |
| styrene             | Ingestion  | Mouse                   | Carcinogenic.    |
| styrene             | Inhalation | Human and animal        | Carcinogenic.    |

### 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 |
| tetrahydro-2-furyl-methanol     | Ingestion  | Toxic to female reproduction         | Rat     | NOAEL 50 mg/kg/day  | premating into lactation |
| tetrahydro-2-furyl-methanol     | Dermal     | Toxic to male reproduction           | Rat     | NOAEL 100 mg/kg/day | 13 weeks                 |
| tetrahydro-2-furyl-methanol     | Ingestion  | Toxic to male reproduction           | Rat     | NOAEL 150 mg/kg/day | 47 days                  |
| tetrahydro-2-furyl-methanol     | Inhalation | Toxic to male reproduction           | Rat     | NOAEL 0.6 mg/l      | 90 days                  |

|                             |            |                                        |                         |                     |                          |
|-----------------------------|------------|----------------------------------------|-------------------------|---------------------|--------------------------|
| tetrahydro-2-furyl-methanol | Ingestion  | Toxic to development                   | Rat                     | NOAEL 50 mg/kg/day  | premating into lactation |
| methyl methacrylate         | Inhalation | Not classified for male reproduction   | Mouse                   | NOAEL 36.9 mg/l     |                          |
| methyl methacrylate         | Inhalation | Not classified for development         | Rat                     | NOAEL 8.3 mg/l      | during organogenesis     |
| styrene                     | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 21 mg/kg/day  | 3 generation             |
| styrene                     | Inhalation | Not classified for female reproduction | Rat                     | NOAEL 2.1 mg/l      | 2 generation             |
| styrene                     | Inhalation | Not classified for male reproduction   | Rat                     | NOAEL 2.1 mg/l      | 2 generation             |
| styrene                     | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 400 mg/kg/day | 60 days                  |
| styrene                     | Ingestion  | Not classified for development         | Rat                     | NOAEL 400 mg/kg/day | during gestation         |
| styrene                     | Inhalation | Not classified for development         | Multiple animal species | NOAEL 2.1 mg/l      | during gestation         |
| maleic anhydride            | Ingestion  | Not classified for female reproduction | Rat                     | NOAEL 55 mg/kg/day  | 2 generation             |
| maleic anhydride            | Ingestion  | Not classified for male reproduction   | Rat                     | NOAEL 55 mg/kg/day  | 2 generation             |
| maleic anhydride            | Ingestion  | Not classified for development         | Rat                     | NOAEL 140 mg/kg/day | during organogenesis     |

### Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

| Name                        | Route      | Target Organ(s)                   | Value                                                                        | Species                 | Test result         | Exposure Duration     |
|-----------------------------|------------|-----------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|
| Impact Modifier             | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification |                         | NOAEL Not available |                       |
| succinic anhydride          | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | similar health hazards  | NOAEL Not available |                       |
| tetrahydro-2-furyl-methanol | Inhalation | respiratory irritation            | Some positive data exist, but the data are not sufficient for classification | similar health hazards  | NOAEL Not available |                       |
| methyl methacrylate         | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human                   | NOAEL Not available | occupational exposure |
| styrene                     | Inhalation | auditory system                   | Causes damage to organs                                                      | Multiple animal species | LOAEL 4.3 mg/l      | not available         |
| styrene                     | Inhalation | liver                             | Causes damage to organs                                                      | Mouse                   | LOAEL 2.1 mg/l      | not available         |
| styrene                     | Inhalation | central nervous system depression | May cause drowsiness or dizziness                                            | Human                   | NOAEL Not available | occupational exposure |
| styrene                     | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human and animal        | NOAEL Not available |                       |
| styrene                     | Inhalation | endocrine system                  | Not classified                                                               | Rat                     | NOAEL Not available | not available         |
| styrene                     | Inhalation | kidney and/or bladder             | Not classified                                                               | Multiple animal species | NOAEL 2.1 mg/l      | not available         |
| maleic anhydride            | Inhalation | respiratory irritation            | May cause respiratory irritation                                             | Human                   | NOAEL Not available |                       |

#### Specific Target Organ Toxicity - repeated exposure

| Name                            | Route     | Target Organ(s)                       | Value          | Species | Test result         | Exposure Duration |
|---------------------------------|-----------|---------------------------------------|----------------|---------|---------------------|-------------------|
| Tetrahydrofurfuryl Methacrylate | Ingestion | hematopoietic system   nervous system | Not classified | Rat     | NOAEL 300 mg/kg/day | 29 days           |

**3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue and Structural Plastic Adhesive 8010 Blue, Part B**

|                             |            |                                                                                                                                                                                |                                                                              |                         |                     |                       |
|-----------------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------|
| succinic anhydride          | Ingestion  | heart   skin   endocrine system   bone, teeth, nails, and/or hair   hematopoietic system   liver   immune system   nervous system   kidney and/or bladder   respiratory system | Not classified                                                               | Mouse                   | NOAEL 300 mg/kg/day | 13 weeks              |
| tetrahydro-2-furyl-methanol | Inhalation | nervous system                                                                                                                                                                 | Causes damage to organs through prolonged or repeated exposure               | Rat                     | LOAEL 0.2 mg/l      | 90 days               |
| tetrahydro-2-furyl-methanol | Inhalation | hematopoietic system                                                                                                                                                           | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 0.6 mg/l      | 90 days               |
| tetrahydro-2-furyl-methanol | Inhalation | eyes                                                                                                                                                                           | Not classified                                                               | Rat                     | NOAEL 2.1 mg/l      | 90 days               |
| tetrahydro-2-furyl-methanol | Ingestion  | hematopoietic system                                                                                                                                                           | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 69 mg/kg/day  | 91 days               |
| tetrahydro-2-furyl-methanol | Ingestion  | immune system                                                                                                                                                                  | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 150 mg/kg/day | 28 days               |
| tetrahydro-2-furyl-methanol | Ingestion  | endocrine system   kidney and/or bladder                                                                                                                                       | Not classified                                                               | Rat                     | NOAEL 600 mg/kg/day | 28 days               |
| tetrahydro-2-furyl-methanol | Ingestion  | liver   eyes                                                                                                                                                                   | Not classified                                                               | Rat                     | NOAEL 781 mg/kg/day | 91 days               |
| tetrahydro-2-furyl-methanol | Ingestion  | heart   nervous system                                                                                                                                                         | Not classified                                                               | Rat                     | NOAEL 600 mg/kg/day | 28 days               |
| methyl methacrylate         | Dermal     | peripheral nervous system                                                                                                                                                      | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| methyl methacrylate         | Inhalation | olfactory system                                                                                                                                                               | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available | occupational exposure |
| methyl methacrylate         | Inhalation | kidney and/or bladder                                                                                                                                                          | Not classified                                                               | Multiple animal species | NOAEL Not available | 14 weeks              |
| methyl methacrylate         | Inhalation | liver                                                                                                                                                                          | Not classified                                                               | Mouse                   | NOAEL 12.3 mg/l     | 14 weeks              |
| methyl methacrylate         | Inhalation | respiratory system                                                                                                                                                             | Not classified                                                               | Human                   | NOAEL Not available | occupational exposure |
| styrene                     | Inhalation | auditory system                                                                                                                                                                | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL not available | occupational exposure |
| styrene                     | Inhalation | eyes                                                                                                                                                                           | Causes damage to organs through prolonged or repeated exposure               | Human                   | NOAEL Not available | occupational exposure |
| styrene                     | Inhalation | liver                                                                                                                                                                          | May cause damage to organs though prolonged or repeated exposure             | Mouse                   | LOAEL 0.85 mg/l     | 13 weeks              |
| styrene                     | Inhalation | nervous system                                                                                                                                                                 | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | LOAEL 1.1 mg/l      | not available         |
| styrene                     | Inhalation | hematopoietic system                                                                                                                                                           | Not classified                                                               | Rat                     | NOAEL 0.85 mg/l     | 7 days                |
| styrene                     | Inhalation | endocrine system                                                                                                                                                               | Not classified                                                               | Rat                     | NOAEL 0.6 mg/l      | 10 days               |
| styrene                     | Inhalation | respiratory system                                                                                                                                                             | Not classified                                                               | Multiple animal species | LOAEL 0.09 mg/l     | not available         |
| styrene                     | Inhalation | heart   gastrointestinal tract   bone, teeth, nails, and/or hair   muscles   kidney and/or bladder                                                                             | Not classified                                                               | Multiple animal species | NOAEL 4.3 mg/l      | 2 years               |
| styrene                     | Ingestion  | nervous system                                                                                                                                                                 | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 500 mg/kg/day | 8 weeks               |

**3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue and Structural Plastic Adhesive 8010 Blue, Part B**

|                  |            |                                                                                                         |                                                                              |                         |                     |               |
|------------------|------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------|---------------------|---------------|
| styrene          | Ingestion  | immune system                                                                                           | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL Not available | not available |
| styrene          | Ingestion  | liver   kidney and/or bladder                                                                           | Not classified                                                               | Rat                     | NOAEL 677 mg/kg/day | 6 months      |
| styrene          | Ingestion  | hematopoietic system                                                                                    | Not classified                                                               | Dog                     | NOAEL 600 mg/kg/day | 470 days      |
| styrene          | Ingestion  | heart   respiratory system                                                                              | Not classified                                                               | Rat                     | NOAEL 35 mg/kg/day  | 105 weeks     |
| maleic anhydride | Inhalation | respiratory system                                                                                      | Causes damage to organs through prolonged or repeated exposure               | Rat                     | LOAEL 0.0011 mg/l   | 6 months      |
| maleic anhydride | Inhalation | endocrine system   hematopoietic system   nervous system   kidney and/or bladder   heart   liver   eyes | Not classified                                                               | Rat                     | NOAEL 0.0098 mg/l   | 6 months      |
| maleic anhydride | Ingestion  | kidney and/or bladder                                                                                   | Some positive data exist, but the data are not sufficient for classification | Rat                     | NOAEL 55 mg/kg/day  | 80 days       |
| maleic anhydride | Ingestion  | liver                                                                                                   | Some positive data exist, but the data are not sufficient for classification | Rat                     | LOAEL 250 mg/kg/day | 183 days      |
| maleic anhydride | Ingestion  | heart   nervous system                                                                                  | Not classified                                                               | Rat                     | NOAEL 600 mg/kg/day | 183 days      |
| maleic anhydride | Ingestion  | gastrointestinal tract                                                                                  | Not classified                                                               | Rat                     | NOAEL 150 mg/kg/day | 80 days       |
| maleic anhydride | Ingestion  | hematopoietic system                                                                                    | Not classified                                                               | Dog                     | NOAEL 60 mg/kg/day  | 90 days       |
| maleic anhydride | Ingestion  | skin   endocrine system   immune system   eyes   respiratory system                                     | Not classified                                                               | Rat                     | NOAEL 150 mg/kg/day | 80 days       |

**Aspiration Hazard**

| Name    | Value             |
|---------|-------------------|
| styrene | Aspiration hazard |

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

**11.2. Information on other hazards**

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

**SECTION 12: Ecological information**

The information below may not agree with the EU material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

**12.1. Toxicity**

No product test data available.

| Material                        | CAS #     | Organism       | Type         | Exposure | Test endpoint | Test result |
|---------------------------------|-----------|----------------|--------------|----------|---------------|-------------|
| 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 | EC50          | >100 mg/l   |

**3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue and Structural Plastic Adhesive 8010 Blue, Part B**

|                                 |              |                               |                                                       |          |      |             |
|---------------------------------|--------------|-------------------------------|-------------------------------------------------------|----------|------|-------------|
| Tetrahydrofurfuryl Methacrylate | 2455-24-5    | Green algae                   | Experimental                                          | 72 hours | EC10 | 100 mg/l    |
| Tetrahydrofurfuryl Methacrylate | 2455-24-5    | Water flea                    | Experimental                                          | 21 days  | NOEC | 37.2 mg/l   |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Green Algae                   | Experimental                                          | 72 hours | EC50 | 5.3 mg/l    |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Medaka                        | Experimental                                          | 96 hours | LC50 | 2.8 mg/l    |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Water flea                    | Experimental                                          | 48 hours | EC50 | 4.6 mg/l    |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Green Algae                   | Experimental                                          | 72 hours | NOEC | 0.81 mg/l   |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Water flea                    | Experimental                                          | 21 days  | NOEC | 0.105 mg/l  |
| Acrylate Polymer                | Trade Secret |                               | Data not available or insufficient for classification |          |      | N/A         |
| Impact Modifier                 | 20882-04-6   | Green algae                   | Estimated                                             | 72 hours | EC50 | 710 mg/l    |
| Impact Modifier                 | 20882-04-6   | Medaka                        | Estimated                                             | 96 hours | LC50 | 227 mg/l    |
| Impact Modifier                 | 20882-04-6   | Water flea                    | Estimated                                             | 48 hours | EC50 | 380 mg/l    |
| Impact Modifier                 | 20882-04-6   | Green algae                   | Estimated                                             | 72 hours | NOEC | 160 mg/l    |
| Impact Modifier                 | 20882-04-6   | Water flea                    | Estimated                                             | 21 days  | NOEC | 24.1 mg/l   |
| Dibutyl Itaconate               | 2155-60-4    |                               | Data not available or insufficient for classification |          |      | N/A         |
| naphthenic acids, copper salts  | 1338-02-9    | Green Algae                   | Estimated                                             | 72 hours | EC50 | 0.629 mg/l  |
| naphthenic acids, copper salts  | 1338-02-9    | Water flea                    | Estimated                                             | 48 hours | EC50 | 0.0756 mg/l |
| naphthenic acids, copper salts  | 1338-02-9    | Zebra Fish                    | Estimated                                             | 96 hours | LC50 | 0.0702 mg/l |
| naphthenic acids, copper salts  | 1338-02-9    | Algae or other aquatic plants | Estimated                                             | hours    | NOEC | 0.132 mg/l  |
| naphthenic acids, copper salts  | 1338-02-9    | Fathead minnow                | Estimated                                             | 32 days  | EC10 | 0.0354 mg/l |
| naphthenic acids, copper salts  | 1338-02-9    | Water flea                    | Estimated                                             | 21 days  | NOEC | 0.0756 mg/l |
| succinic anhydride              | 108-30-5     | Green Algae                   | Estimated                                             | 72 hours | EC50 | >100 mg/l   |
| succinic anhydride              | 108-30-5     | Water flea                    | Estimated                                             | 48 hours | EC50 | >100 mg/l   |
| succinic anhydride              | 108-30-5     | Zebra Fish                    | Estimated                                             | 96 hours | LC50 | >100 mg/l   |
| succinic anhydride              | 108-30-5     | Green Algae                   | Estimated                                             | 72 hours | NOEC | 100 mg/l    |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Green Algae                   | Experimental                                          | 72 hours | EC50 | >100 mg/l   |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Medaka                        | Experimental                                          | 96 hours | LC50 | >100 mg/l   |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Water flea                    | Experimental                                          | 48 hours | EC50 | >100 mg/l   |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Green Algae                   | Experimental                                          | 72 hours | NOEC | >100 mg/l   |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Water flea                    | Experimental                                          | 21 days  | NOEC | >100 mg/l   |
| methyl methacrylate             | 80-62-6      | Green Algae                   | Experimental                                          | 72 hours | EC50 | >110 mg/l   |
| methyl methacrylate             | 80-62-6      | Rainbow trout                 | Experimental                                          | 96 hours | LC50 | >79 mg/l    |
| methyl methacrylate             | 80-62-6      | Water flea                    | Experimental                                          | 48 hours | EC50 | 69 mg/l     |

**3M Scotch-Weld™ Structural Plastic Adhesive DP8010 Blue and Structural Plastic Adhesive 8010 Blue, Part B**

|                     |          |                  |              |            |      |                           |
|---------------------|----------|------------------|--------------|------------|------|---------------------------|
| methyl methacrylate | 80-62-6  | Green algae      | Experimental | 72 hours   | NOEC | 110 mg/l                  |
| methyl methacrylate | 80-62-6  | Water flea       | Experimental | 21 days    | NOEC | 37 mg/l                   |
| methyl methacrylate | 80-62-6  | Activated sludge | Experimental | 30 minutes | EC20 | 150 mg/l                  |
| methyl methacrylate | 80-62-6  | Soil microbes    | Experimental | 28 days    | NOEC | >1,000 mg/kg (Dry Weight) |
| styrene             | 100-42-5 | Activated sludge | Experimental | 30 minutes | EC50 | 500 mg/l                  |
| styrene             | 100-42-5 | Fathead minnow   | Experimental | 96 hours   | LC50 | 4.02 mg/l                 |
| styrene             | 100-42-5 | Green Algae      | Experimental | 72 hours   | EC50 | 4.9 mg/l                  |
| styrene             | 100-42-5 | Water flea       | Experimental | 48 hours   | EC50 | 4.7 mg/l                  |
| styrene             | 100-42-5 | Green algae      | Experimental | 96 hours   | EC10 | 0.28 mg/l                 |
| styrene             | 100-42-5 | Water flea       | Experimental | 21 days    | NOEC | 1.01 mg/l                 |
| maleic anhydride    | 108-31-6 | Green algae      | Estimated    | 72 hours   | EC50 | 74.4 mg/l                 |
| maleic anhydride    | 108-31-6 | Water flea       | Estimated    | 48 hours   | EC50 | 93.8 mg/l                 |
| maleic anhydride    | 108-31-6 | Bacteria         | Experimental | 18 hours   | EC10 | 44.6 mg/l                 |
| maleic anhydride    | 108-31-6 | Rainbow trout    | Experimental | 96 hours   | LC50 | 75 mg/l                   |
| maleic anhydride    | 108-31-6 | Green algae      | Estimated    | 72 hours   | EC10 | 11.8 mg/l                 |
| maleic anhydride    | 108-31-6 | Water flea       | Experimental | 21 days    | NOEC | 10 mg/l                   |

**12.2. Persistence and degradability**

| Material                        | CAS Nbr      | Test type                     | Duration | Study Type                     | Test result         | Protocol                            |
|---------------------------------|--------------|-------------------------------|----------|--------------------------------|---------------------|-------------------------------------|
| Tetrahydrofurfuryl Methacrylate | 2455-24-5    | Experimental Biodegradation   | 28 days  | BOD                            | 75 % BOD/ThBOD      | OECD 301F - Manometric respirometry |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Experimental Biodegradation   | 28 days  | BOD                            | 88 % BOD/ThBOD      | OECD 301C - MITI test (I)           |
| Acrylate Polymer                | Trade Secret | Data not availbl-insufficient |          |                                | N/A                 |                                     |
| Impact Modifier                 | 20882-04-6   | Estimated Biodegradation      | 14 days  | BOD                            | 95 % weight         | OECD 301C - MITI test (I)           |
| Dibutyl Itaconate               | 2155-60-4    | Estimated Biodegradation      | 28 days  | BOD                            | 72 % BOD/ThBOD      | OECD 301F - Manometric respirometry |
| naphthenic acids, copper salts  | 1338-02-9    | Data not availbl-insufficient |          |                                | N/A                 |                                     |
| succinic anhydride              | 108-30-5     | Experimental Hydrolysis       |          | Hydrolytic half-life           | 4.3 minutes (t 1/2) | Non-standard method                 |
| succinic anhydride              | 108-30-5     | Estimated Biodegradation      | 28 days  | Dissolv. Organic Carbon Deplet | 96.55 % weight      | OECD 301E - Modif. OECD Screen      |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Experimental Biodegradation   | 28 days  | BOD                            | 92 % weight         | OECD 301C - MITI test (I)           |
| methyl methacrylate             | 80-62-6      | Experimental Biodegradation   | 14 days  | BOD                            | 94 % BOD/ThBOD      | OECD 301C - MITI test (I)           |
| styrene                         | 100-42-5     | Experimental Photolysis       |          | Photolytic half-life (in air)  | 6.64 hours (t 1/2)  | Non-standard method                 |
| styrene                         | 100-42-5     | Experimental Biodegradation   | 28 days  | BOD                            | 70.9 % BOD/ThBOD    | Non-standard method                 |
| maleic anhydride                | 108-31-6     | Experimental Hydrolysis       |          | Hydrolytic half-life           | 22 seconds (t 1/2)  | Non-standard method                 |
| maleic anhydride                | 108-31-6     | Estimated Biodegradation      | 25 days  | CO2 evolution                  | >90 % weight        | OECD 301B - Modified sturm or CO2   |

**12.3 : Bioaccumulative potential**

| Material                        | Cas No.      | Test type                                             | Duration | Study Type             | Test result | Protocol                                           |
|---------------------------------|--------------|-------------------------------------------------------|----------|------------------------|-------------|----------------------------------------------------|
| Tetrahydrofurfuryl Methacrylate | 2455-24-5    | Estimated Bioconcentration                            |          | Bioaccumulation factor | 3.42        | Estimated: Bioconcentration factor                 |
| 2-Ethylhexyl Methacrylate       | 688-84-6     | Experimental Bioconcentration                         | 96 hours | Bioaccumulation factor | 37          | OECD 305C-Bioaccum degree fish                     |
| Acrylate Polymer                | Trade Secret | Data not available or insufficient for classification | N/A      | N/A                    | N/A         | N/A                                                |
| Impact Modifier                 | 20882-04-6   | Estimated Bioconcentration                            |          | Bioaccumulation factor | 3.0         | Estimated: Bioconcentration factor                 |
| Dibutyl Itaconate               | 2155-60-4    | Estimated Bioconcentration                            |          | Bioaccumulation factor | 5.7         | Estimated: Bioconcentration factor                 |
| naphthenic acids, copper salts  | 1338-02-9    | Estimated BCF-Carp                                    | 42 days  | Bioaccumulation factor | ≤27         | OECD 305E - Bioaccumulation flow-through fish test |
| succinic anhydride              | 108-30-5     | Experimental Bioconcentration                         |          | Log Kow                | 2.44        | Non-standard method                                |
| tetrahydro-2-furyl-methanol     | 97-99-4      | Experimental Bioconcentration                         |          | Log Kow                | -0.11       | Non-standard method                                |
| methyl methacrylate             | 80-62-6      | Experimental Bioconcentration                         |          | Log Kow                | 1.38        | OECD 107 log Kow shke flask mtd                    |
| styrene                         | 100-42-5     | Experimental Bioconcentration                         |          | Log Kow                | 2.96        | Non-standard method                                |
| maleic anhydride                | 108-31-6     | Experimental Bioconcentration                         |          | Log Kow                | -2.61       | Non-standard method                                |

#### 12.4. Mobility in soil

| Material                  | Cas No.    | Test type                     | Study Type | Test result | Protocol             |
|---------------------------|------------|-------------------------------|------------|-------------|----------------------|
| 2-Ethylhexyl Methacrylate | 688-84-6   | Estimated Mobility in Soil    | Koc        | 2,348 l/kg  | Episuite™            |
| Impact Modifier           | 20882-04-6 | Estimated Mobility in Soil    | Koc        | 1 l/kg      | ACD/Labs ChemSketch™ |
| methyl methacrylate       | 80-62-6    | Experimental Mobility in Soil | Koc        | 8.7-72 l/kg |                      |

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

This material does not contain any substances that are assessed to be a PBT or vPvB

#### 12.6. Endocrine disrupting properties

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

#### 12.7. Other adverse effects

No information available.

## SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

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

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. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of 3M, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/EC and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor.

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

08 04 09\*      Waste adhesives and sealants containing organic solvents or other dangerous substances  
20 01 27\*      Paint, inks, adhesives and resins containing dangerous substances

**SECTION 14: Transportation information**

Not hazardous for transportation.

|                                                                                  | <b>Ground Transport<br/>(ADR)</b>                                      | <b>Air Transport (IATA)</b>                                            | <b>Marine Transport<br/>(IMDG)</b>                                     |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>14.1 UN number</b>                                                            | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.2 UN proper shipping name</b>                                              | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.3 Transport hazard class(es)</b>                                           | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.4 Packing group</b>                                                        | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.5 Environmental hazards</b>                                                | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>14.6 Special precautions for user</b>                                         | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| <b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b> | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Control Temperature</b>                                                       | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>Emergency Temperature</b>                                                     | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>ADR Tunnel Code</b>                                                           | No data available.                                                     | Not applicable.                                                        | No data available.                                                     |
| <b>ADR Classification Code</b>                                                   | No data available.                                                     | No data available.                                                     | No data available.                                                     |
| <b>ADR Transport Category</b>                                                    | No data available.                                                     | No data available.                                                     | No data available.                                                     |

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

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

## SECTION 15: Regulatory information

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

#### Carcinogenicity

| <u>Ingredient</u>   | <u>CAS Nbr</u> | <u>Classification</u>         | <u>Regulation</u>                           |
|---------------------|----------------|-------------------------------|---------------------------------------------|
| methyl methacrylate | 80-62-6        | Gr. 3: Not classifiable       | International Agency for Research on Cancer |
| styrene             | 100-42-5       | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| succinic anhydride  | 108-30-5       | Gr. 3: Not classifiable       | International Agency for Research on Cancer |

#### Global inventory status

Contact 3M for more information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. This product complies with Measures on Environmental Management of New Chemical Substances. All ingredients are listed on or exempt from on China IECSC inventory. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

#### DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1  
None

Seveso named dangerous substances, Annex 1, Part 2

| Dangerous Substances           | Identifier(s) | Qualifying quantity (tonnes) for the application of |                         |
|--------------------------------|---------------|-----------------------------------------------------|-------------------------|
|                                |               | Lower-tier requirements                             | Upper-tier requirements |
| naphthenic acids, copper salts | 1338-02-9     | 10                                                  | 50                      |
| methyl methacrylate            | 80-62-6       | 50                                                  | 200                     |
| styrene                        | 100-42-5      | 10                                                  | 50                      |

### 15.2. Chemical Safety Assessment

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

## SECTION 16: Other information

#### List of relevant H statements

|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| EUH071 | Corrosive to the respiratory tract.                                        |
| H225   | Highly flammable liquid and vapour.                                        |
| H226   | Flammable liquid and vapour.                                               |
| H302   | Harmful if swallowed.                                                      |
| H304   | May be fatal if swallowed and enters airways.                              |
| H314   | Causes severe skin burns and eye damage.                                   |
| H315   | Causes skin irritation.                                                    |
| H317   | May cause an allergic skin reaction.                                       |
| H318   | Causes serious eye damage.                                                 |
| H319   | Causes serious eye irritation.                                             |
| H332   | Harmful if inhaled.                                                        |
| H334   | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335   | May cause respiratory irritation.                                          |
| H360D  | May damage the unborn child.                                               |
| H360Df | May damage the unborn child. Suspected of damaging fertility.              |
| H361d  | Suspected of damaging the unborn child.                                    |
| H372   | Causes damage to organs through prolonged or repeated exposure.            |
| H400   | Very toxic to aquatic life.                                                |
| H410   | Very toxic to aquatic life with long lasting effects.                      |
| H412   | Harmful to aquatic life with long lasting effects.                         |

**Revision information:**

EU Section 09: pH information information was modified.  
Section 2: <125ml Precautionary - Prevention information was modified.  
Section 2: <125ml Precautionary - Response information was modified.  
Label: CLP Precautionary - Prevention information was modified.  
Label: CLP Precautionary - Response information was modified.  
Section 04: First Aid - Symptoms and Effects (CLP) information was added.  
Section 04: Information on toxicological effects information was modified.  
Section 12: Mobility in soil information information was modified.  
Section 14: Transportation classification information was deleted.  
Section 15: Seveso Substance Text information was added.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications. In addition, this SDS is being provided to convey health and safety information. If you are the importer of record of this product into the European Union, you are responsible for all regulatory requirements, including, but not limited to, product registrations/notifications, substance volume tracking, and potential substance registration.

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