



Safety Data Sheet

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Revision date: 18/11/2024
Transportation version number:

Version number: 5.00
Supersedes date: 12/11/2024

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(TM) Scotch-Weld(TM) Low Odor Acrylic Adhesive DP8825NS Green

Product Identification Numbers

62-2866-1445-8 62-2866-3630-3

7100068120 7100067297

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

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:

33-2643-6, 33-2640-2

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:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315

Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318

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

Reproductive Toxicity, Category 1B - Repr. 1B; H360D

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

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) |

Pictograms



Contains:

Tert-butyl 3,5,5-trimethylperoxyhexanoate; benzyltributylammonium chloride; Tetrahydrofurfuryl methacrylate; 2-hydroxyethyl methacrylate; Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)-

HAZARD STATEMENTS:

| | |
|-------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| 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. |
| P280I | Wear protective gloves, eye/face protection, and respiratory protection. |

Response:

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTRE or doctor/physician. |
| 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

| | |
|-------|--|
| H318 | Causes serious eye damage. |
| 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. |
| P280I | Wear protective gloves, eye/face protection, and respiratory protection. |

Response:

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTRE or doctor/physician. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

SUPPLEMENTAL INFORMATION:

Supplemental Precautionary Statements:

Restricted to professional users.

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

Revision information:

GB Label: CLP Ingredients - kit components information was modified.
Section 2: <125ml Hazard - Environmental information was added.
Section 2: <125ml Precautionary - Prevention information was modified.
Label: CLP Classification information was modified.
Label: CLP Environmental Hazard Statements information was modified.
Label: CLP Precautionary - Prevention information was modified.
Label: Graphic information was modified.



Safety Data Sheet

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Document group: 33-2640-2
Revision date: 23/09/2024

Version number: 7.00
Supersedes date: 27/02/2023

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™ Low Odor Acrylic Adhesive DP8825NS Green, Part A

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

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:

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

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

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

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|------------|-----------|---------|
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | 236-050-7 | 1 - 10 |

HAZARD STATEMENTS:

| | |
|------|--|
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS**Prevention:**

P280E Wear protective gloves.

Response:

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. |
| H412 | Harmful to aquatic life with long lasting effects. |

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

P280E Wear protective gloves.

Response:

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

11% of the mixture consists of components of unknown acute oral toxicity.

11% of the mixture consists of components of unknown acute dermal toxicity.

Contains 44% of components with unknown hazards to the aquatic environment.

The organic peroxide classification from CAS# 13122-18-4 does not apply to the material. The calculated available oxygen content is less than 1%.

2.3. Other hazards

None known.

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 |
|--|--|---------|---|
| Oxydipropyl dibenzoate | (CAS-No.) 27138-31-4 (EC-No.) 248-258-5 | 45 - 80 | Aquatic Chronic 3, H412 |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | (CAS-No.) 25101-28-4 | 5 - 30 | Substance not classified as hazardous |
| Catalyst. | Trade Secret | 1 - 20 | Substance not classified as hazardous |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | (CAS-No.) 13122-18-4 (EC-No.) 236-050-7 | 1 - 10 | Org. Perox. CD, H242 Skin Sens. 1B, H317 Aquatic Acute 1, H400,M=1 Aquatic Chronic 3, H412 |

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

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 GB 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. |

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.

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

7.2. Conditions for safe storage including any incompatibilities

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

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

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

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.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

Skin/hand protection

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. When only incidental contact is anticipated, alternative glove material(s) may be used. If contact with the glove does occur, remove immediately and replace with a set of new gloves. For incidental contact, gloves made of nitrile rubber are recommended. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity. Gloves made from the following material(s) are recommended:

| 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

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------------|--------------------|
| Physical state | Liquid. |
| Specific Physical Form: | Paste |
| Colour | Blue |
| Odor | Mild Hydrocarbon |
| Odour threshold | No data available. |
| Melting point/freezing point | Not applicable. |
| Boiling point/boiling range | > 93.3 °C |
| Flammability | Not applicable. |

| | |
|---|--|
| | |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Flash point | > 93.3 °C [Test Method:Closed Cup] |
| Autoignition temperature | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| pH | <i>substance/mixture is non-soluble (in water)</i> |
| Kinematic Viscosity | 18,519 mm²/sec |
| Water solubility | Nil |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Density | 1.08 g/ml |
| Relative density | 1.08 [Ref Std:WATER=1] |
| Relative Vapour Density | <i>No data available.</i> |
| Particle Characteristics | <i>Not applicable.</i> |

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds

No data available.

Evaporation rate

No data available.

Molecular weight

Not applicable.

Percent volatile

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the 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

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

Skin contact

Contact with the skin during product use is not expected to result in significant irritation. Allergic skin reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

Eye contact

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

Ingestion

May be harmful if swallowed.

Toxicological Data

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

Acute Toxicity

| Name | Route | Species | Value |
|--|--------------------------------|------------------------|---|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| Oxydipropyl dibenzoate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Oxydipropyl dibenzoate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 200 mg/l |
| Oxydipropyl dibenzoate | Ingestion | Rat | LD50 3,295 mg/kg |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Catalyst. | Dermal | Professional judgement | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Catalyst. | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.8 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Ingestion | Rat | LD50 12,905 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|------|---------|-------|
|------|---------|-------|

| | | |
|---|--------|---------------------------|
| | | |
| Oxydipropyl dibenzoate | Rabbit | No significant irritation |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---------|---------------------------|
| Oxydipropyl dibenzoate | Rabbit | No significant irritation |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Rabbit | No significant irritation |

Skin Sensitisation

| Name | Species | Value |
|---|------------|----------------|
| Oxydipropyl dibenzoate | Guinea pig | Not classified |
| Catalyst. | Mouse | Not classified |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Guinea pig | Sensitising |

Respiratory Sensitisation

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

Germ Cell Mutagenicity

| Name | Route | Value |
|------------------------|----------|---------------|
| Oxydipropyl dibenzoate | In Vitro | Not mutagenic |
| Catalyst. | In Vitro | Not mutagenic |

Carcinogenicity

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

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|------------------------|-----------|--|---------|-----------------------|-------------------|
| Oxydipropyl dibenzoate | Ingestion | Not classified for female reproduction | Rat | NOAEL 500 mg/kg/day | 2 generation |
| Oxydipropyl dibenzoate | Ingestion | Not classified for male reproduction | Rat | NOAEL 400 mg/kg/day | 2 generation |
| Oxydipropyl dibenzoate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|-----------|-----------|-----------------|----------------|---------|-------------------|-------------------|
| Catalyst. | Ingestion | nervous system | Not classified | Rat | NOAEL 2,000 mg/kg | |

Specific Target Organ Toxicity - repeated exposure

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

Aspiration Hazard

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

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

11.2. Information on other hazards

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

SECTION 12: Ecological information

The information below may not agree with the 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 |
|--|--------------|------------------|---|----------|---------------|-------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Fathead minnow | Experimental | 96 hours | LC50 | 3.7 mg/l |
| Oxydipropyl dibenzoate | 27138-31-4 | Green algae | Experimental | 72 hours | EL50 | 4.9 mg/l |
| Oxydipropyl dibenzoate | 27138-31-4 | Water flea | Experimental | 48 hours | EL50 | 19.31 mg/l |
| Oxydipropyl dibenzoate | 27138-31-4 | Green algae | Experimental | 72 hours | EC10 | 0.89 mg/l |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | 25101-28-4 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Catalyst. | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Green algae | Experimental | 72 hours | ErC50 | 0.51 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Rainbow trout | Experimental | 96 hours | LC50 | 7.03 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Green algae | Experimental | 72 hours | NOEC | 0.125 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Water flea | Experimental | 21 days | NOEC | 0.22 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Activated sludge | Experimental | 3 hours | EC50 | 327.02 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|------------------------|------------|-----------------------------|----------|---------------|-----------------------------------|-----------------------------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Experimental Biodegradation | 28 days | CO2 evolution | 85 %CO2 evolution/THCO2 evolution | OECD 301B - Modified Sturm or CO2 |

| | | | | | | |
|--|--------------|--|---------|-------------------------------|-------------------------------------|------------------------------------|
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | 25101-28-4 | Data not available/insufficient | N/A | N/A | N/A | N/A |
| Catalyst. | Trade Secret | Experimental Biodegradation | 28 days | CO2 evolution | 29.1 %CO2 evolution/THCO2 evolution | OECD 301B - Modified Sturm or CO2 |
| Catalyst. | Trade Secret | Estimated Photolysis | | Photolytic half-life (in air) | 1.48 days (t 1/2) | |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Biodegradation | 28 days | BOD | 72 %BOD/ThOD | OECD 301D - Closed bottle test |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Aquatic Inherent Biodegrad. | 56 days | BOD | 58 %BOD/ThOD | OECD 302A - Modified SCAS Test |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | 51 hours (t 1/2) | OECD 111 Hydrolysis function of pH |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|--------------|---|----------|------------------------|-------------|------------------------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Modeled Bioconcentration | | Bioaccumulation factor | 8 | Catalogic™ |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | 25101-28-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Catalyst. | Trade Secret | Experimental Bioconcentration | | Log Kow | 2.57 | |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Modeled Bioconcentration | | Bioaccumulation factor | 380 | Catalogic™ |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Bioconcentration | | Log Kow | 5.16 | OECD 117 log Kow HPLC method |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|---|--------------|----------------------------|------------|-------------|----------------------|
| Catalyst. | Trade Secret | Estimated Mobility in Soil | Koc | <270 l/kg | ACD/Labs ChemSketch™ |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Modeled Mobility in Soil | Koc | 3,550 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 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.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|--|--|--|
| 14.1 UN number | No data available. | No data available. | No data available. |
| 14.2 UN proper shipping name | No data available. | No data available. | No data available. |
| 14.3 Transport hazard class(es) | No data available. | No data available. | No data available. |
| 14.4 Packing group | No data available. | No data available. | No data available. |
| 14.5 Environmental hazards | No data available. | No data available. | No data available. |
| 14.6 Special precautions for user | 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. |
| 14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code | No data available. | No data available. | No data available. |
| Control Temperature | No data available. | No data available. | No data available. |
| Emergency Temperature | No data available. | No data available. | No data available. |
| ADR Classification Code | No data available. | No data available. | No data available. |
| IMDG Segregation Code | 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. The components of this product are in compliance with the new substance notification requirements of CEPA. 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.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1

None

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

| | |
|------|--|
| H242 | Heating may cause a fire. |
| H317 | May cause an allergic skin reaction. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

Revision information:

Section 2: <125ml Hazard - Environmental information was added.

Label: CLP Classification information was modified.

Label: CLP Environmental Hazard Statements information was modified.

Label: CLP Precautionary - Prevention information was modified.

Label: CLP Precautionary - Response information was modified.

Section 02: Label Elements: GB Percent Unknown information was added.

Label: Graphic information was modified.

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

Section 8: Eye protection information information was added.

Section 8: Eye/face protection information information was deleted.

Section 8: Personal Protection - Eye information information was deleted.

Section 8: Personal Protection - Respiratory Information information was deleted.

Section 8: Personal Protection - Skin/body information information was added.

Section 8: Respiratory protection - recommended respirators guide information was deleted.

Section 8: Respiratory protection - recommended respirators information information was deleted.

Section 8: Respiratory protection information information was added.

Section 8: Skin protection - protective clothing information information was added.

Section 9: Flammability (solid, gas) information information was deleted.

Section 09: Flammability information information was added.

Section 09: Odor information was modified.

Section 09: Particle Characteristics N/A information was added.

Section 11: Acute Toxicity table information was modified.

Section 12: Component ecotoxicity information information was modified.

Section 12: Mobility in soil information information was modified.

Section 12: Persistence and Degradability information information was modified.

Section 12:Biocumulative potential information information was modified.

Section 15: Seveso Hazard Category Text information was deleted.

Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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

3M SDSs for Great Britain are available at 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: 33-2643-6
Revision date: 07/11/2025

Version number: 8.00
Supersedes date: 18/04/2025

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™ Low Odor Acrylic Adhesive DP8825NS Green and Low Odor Acrylic Adhesive 8825NS Green, Part B

Product Identification Numbers

62-2866-8530-0

7100067291

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: ner-productstewardship@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:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Serious Eye Damage/Eye Irritation, Category 1 - Eye Dam. 1; H318
Skin Sensitization, Category 1 - Skin Sens. 1; H317
Reproductive Toxicity, Category 1B - Repr. 1B; H360D
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

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) |

Pictograms



| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|------------|-----------|---------|
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | 219-529-5 | 20 - 50 |
| 2-hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 1 - 30 |
| benzyltributylammonium chloride | 23616-79-7 | 245-787-3 | < 3 |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | 95175-93-2 | | < 3 |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | | < 0.5 |

HAZARD STATEMENTS:

| | |
|-------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| 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. |
| P2801 | Wear protective gloves, eye protection, face protection, and respiratory protection. |

Response:

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTRE or doctor/physician. |
| 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

| | |
|-------|--|
| H318 | Causes serious eye damage. |
| 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. |
| P280I | Wear protective gloves, eye protection, face protection, and respiratory protection. |

Response:

| | |
|--------------------|--|
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTRE or doctor/physician. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

SUPPLEMENTAL INFORMATION:

Supplemental Precautionary Statements:

Restricted to professional users.

3% of the mixture consists of components of unknown acute oral toxicity.

Contains 7% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

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 |
|-----------------------------------|---|---------|--|
| Tetrahydrofurfuryl methacrylate | (CAS-No.) 2455-24-5 (EC-No.) 219-529-5 | 20 - 50 | Skin Sens. 1, H317 Repr. 1B, H360D Aquatic Chronic 3, H412 |
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 | 1 - 30 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D |
| Acrylonitrile - butadiene polymer | (CAS-No.) 9003-18-3 | 1 - 20 | Substance not classified as hazardous |
| Kaolin, calcined | (CAS-No.) 92704-41-1 | 1 - 20 | Substance not classified as hazardous |

| | | | |
|---|--|----------|---|
| | (EC-No.) 296-473-8 | | |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | (CAS-No.) 7534-94-3 (EC-No.) 231-403-1 | 1 - 15 | Aquatic Chronic 3, H412 |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | (CAS-No.) 41637-38-1 | 0.1 - 10 | Substance not classified as hazardous |
| Non-hazardous Additive | Trade Secret | < 5 | Substance not classified as hazardous |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | (CAS-No.) 95175-93-2 | < 3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| benzyltributylammonium chloride | (CAS-No.) 23616-79-7 (EC-No.) 245-787-3 | < 3 | Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 STOT SE 3, H335 |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | (CAS-No.) 2351-43-1 | < 0.5 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| tetrahydro-2-furyl-methanol | (CAS-No.) 97-99-4 (EC-No.) 202-625-6 | < 0.3 | Eye Irrit. 2, H319 Repr. 1B, H360Df Repr. 1B, H360Df |
| naphthenic acids, copper salts | (CAS-No.) 1338-02-9 (EC-No.) 215-657-0 | < 0.08 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1 |

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:

Irritation to the skin (localized redness, swelling, itching, and dryness). 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).

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

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. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

7.2. Conditions for safe storage including any incompatibilities

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

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

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

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.

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:

Full face shield.

Indirect vented goggles.

Applicable Norms/Standards

Use eye/face 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 (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron

material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

Respiratory protection

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

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

Half facepiece or full facepiece supplied-air respirator

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

Applicable Norms/Standards

Use a respirator conforming to EN 140 or EN 136

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 | White |
| Odor | Mild Acrylate |
| Odour threshold | No data available. |
| Melting point/freezing point | Not applicable. |
| Boiling point/boiling range | $\geq 37.8^{\circ}\text{C}$ |
| Flammability | Not applicable. |
| Flammable Limits(LEL) | No data available. |
| Flammable Limits(UEL) | No data available. |
| Flash point | $> 93.3^{\circ}\text{C}$ [Test Method: Closed Cup] |
| Autoignition temperature | No data available. |
| Decomposition temperature | No data available. |
| pH | substance/mixture is non-soluble (in water) |
| Kinematic Viscosity | 109,649 mm ² /sec |
| Water solubility | Nil |
| Solubility- non-water | No data available. |
| Partition coefficient: n-octanol/water | No data available. |
| Vapour pressure | No data available. |
| Density | 1.14 g/ml |
| Relative density | 1.14 [Ref Std: WATER=1] |
| Relative Vapour Density | No data available. |
| Particle Characteristics | Not applicable. |

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds

No data available.

Evaporation rate

No data available.

Molecular weight

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

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

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. May cause additional health effects (see below).

Skin contact

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

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

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

Additional Health Effects:

Reproductive/Developmental Toxicity:

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

Toxicological Data

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

Acute Toxicity

| Name | Route | Species | Value |
|--|--------------------------------|------------------------|--|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Ingestion | | No data available; calculated ATE >5,000 mg/kg |
| Tetrahydrofurfuryl methacrylate | Ingestion | Rat | LD50 4,000 mg/kg |
| Tetrahydrofurfuryl methacrylate | Dermal | similar health hazards | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Kaolin, calcined | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 2.07 mg/l |
| Kaolin, calcined | Dermal | similar compounds | LD50 > 5,000 mg/kg |
| Kaolin, calcined | Ingestion | similar compounds | LD50 > 5,000 mg/kg |
| 2-hydroxyethyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| 2-hydroxyethyl methacrylate | Ingestion | Rat | LD50 5,564 mg/kg |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | Rat | LD50 3,100 mg/kg |
| Acrylonitrile - butadiene polymer | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Acrylonitrile - butadiene polymer | Ingestion | Rat | LD50 > 30,000 mg/kg |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | Dermal | Rat | LD50 > 2,000 mg/kg |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | Ingestion | Rat | LD50 > 35,000 mg/kg |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
| benzyltributylammonium chloride | Ingestion | Not available | LD50 500 mg/kg |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | Dermal | similar compounds | LD50 > 5,000 mg/kg |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | Ingestion | similar compounds | LD50 5,564 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 |
| 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 |
|--------------------------------|-----------|-------------------|--------------------------|

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| Tetrahydrofurfuryl methacrylate | Rabbit | No significant irritation |
| Kaolin, calcined | Rabbit | No significant irritation |
| 2-hydroxyethyl methacrylate | Rabbit | Minimal irritation |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Rabbit | Mild irritant |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | Rabbit | Minimal irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | Not available | Irritant |
| benzyltributylammonium chloride | Guinea pig | Corrosive |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | similar compounds | Minimal irritation |
| tetrahydro-2-furyl-methanol | Rabbit | No significant irritation |
| naphthenic acids, copper salts | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| Tetrahydrofurfuryl methacrylate | Rabbit | No significant irritation |
| Kaolin, calcined | Rabbit | No significant irritation |
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Rabbit | Mild irritant |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | Rabbit | No significant irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | Not available | Corrosive |
| benzyltributylammonium chloride | similar health hazards | Corrosive |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | similar compounds | Moderate irritant |
| tetrahydro-2-furyl-methanol | Rabbit | Severe irritant |
| naphthenic acids, copper salts | In vitro data | No significant irritation |

Skin Sensitisation

| Name | Species | Value |
|--|------------------|----------------|
| Tetrahydrofurfuryl methacrylate | In vitro data | Sensitising |
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Guinea pig | Not classified |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | Guinea pig | Not classified |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | similar | Sensitising |

| | | |
|--------------------------------|------------|----------------|
| | compounds | |
| tetrahydro-2-furyl-methanol | Mouse | Not classified |
| naphthenic acids, copper salts | Guinea pig | Not classified |

Respiratory Sensitisation

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

Germ Cell Mutagenicity

| Name | Route | Value |
|--|----------|--|
| Tetrahydrofurfuryl methacrylate | In Vitro | Not mutagenic |
| 2-hydroxyethyl methacrylate | In vivo | Not mutagenic |
| 2-hydroxyethyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | In Vitro | Not mutagenic |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | In Vitro | Not mutagenic |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| tetrahydro-2-furyl-methanol | In Vitro | Not mutagenic |

Carcinogenicity

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

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|---|------------|--|---------|-----------------------|------------------------------|
| Tetrahydrofurfuryl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 29 days |
| Tetrahydrofurfuryl methacrylate | Ingestion | Toxic to female reproduction | Rat | NOAEL 120 mg/kg/day | premating into lactation |
| Tetrahydrofurfuryl methacrylate | Ingestion | Toxic to development | Rat | NOAEL 120 mg/kg/day | premating into lactation |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 500 mg/kg/day | premating into lactation |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 500 mg/kg/day | 4 weeks |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 500 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 |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--|------------|------------------------|--|------------------------|---------------------|-------------------|
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| Poly[oxy(methyl-1,2-ethanediyl)], a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| benzyltributylammonium chloride | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 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 | |

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 |
| Kaolin, calcined | Inhalation | pneumoconiosis | Not classified | similar compounds | NOAEL not available | occupational exposure |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 150 mg/kg/day | 90 days |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | Ingestion | endocrine system hematopoietic system kidney and/or bladder | Not classified | Rat | NOAEL 500 mg/kg/day | 90 days |
| 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 |

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 |
|---|------------|----------------|---|----------|---------------|-----------------------------|
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Fathead minnow | Experimental | 96 hours | LC50 | 34.7 mg/l |
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Green algae | Experimental | 72 hours | ErC50 | >100 mg/l |
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Green algae | Experimental | 72 hours | ErC10 | 100 mg/l |
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Water flea | Experimental | 21 days | NOEC | 37.2 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Turbot | Analogous Compound | 96 hours | LC50 | 833 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Fathead minnow | Experimental | 96 hours | LC50 | 227 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green algae | Experimental | 72 hours | EC50 | 710 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 48 hours | EC50 | 380 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green algae | Experimental | 72 hours | NOEC | 160 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 21 days | NOEC | 24.1 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | N/A | Experimental | 16 hours | EC0 | >3,000 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | N/A | Experimental | 18 hours | LD50 | <98 mg per kg of bodyweight |
| Acrylonitrile - butadiene polymer | 9003-18-3 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Kaolin, calcined | 92704-41-1 | Bacteria | Estimated | 16 hours | EC10 | 1,400 mg/l |
| Kaolin, calcined | 92704-41-1 | Green algae | Estimated | 72 hours | EC50 | 2,500 mg/l |
| Kaolin, calcined | 92704-41-1 | Water flea | Estimated | 48 hours | EC50 | >100 mg/l |
| Kaolin, calcined | 92704-41-1 | Zebra Fish | Estimated | 96 hours | LC50 | >100 mg/l |
| Kaolin, calcined | 92704-41-1 | Green algae | Estimated | 72 hours | EC10 | 41 mg/l |
| Kaolin, calcined | 92704-41-1 | Rainbow trout | Estimated | 30 days | NOEC | 100 mg/l |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Green algae | Experimental | 72 hours | EC50 | 2.3 mg/l |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Water flea | Experimental | 48 hours | EC50 | 1.1 mg/l |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl | 7534-94-3 | Zebra Fish | Experimental | 96 hours | LC50 | 1.8 mg/l |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8825NS Green and Low Odor Acrylic Adhesive 8825NS Green, Part B

| | | | | | | |
|--|------------|------------------|---|----------|------|-------------|
| methacrylate | | | | | | |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Green algae | Experimental | 72 hours | EC10 | 0.751 mg/l |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Water flea | Experimental | 21 days | NOEC | 0.233 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Activated sludge | Estimated | 3 hours | EC50 | >1,000 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Green algae | Estimated | 72 hours | EL50 | >100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Water flea | Estimated | 48 hours | EL50 | >100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Zebra Fish | Estimated | 96 hours | LL50 | >100 mg/l |
| benzyltributylamm onium chloride | 23616-79-7 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Fathead minnow | Analogous Compound | 96 hours | LC50 | 227 mg/l |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Green algae | Analogous Compound | 72 hours | EC50 | 710 mg/l |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Water flea | Analogous Compound | 48 hours | EC50 | 380 mg/l |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Green algae | Analogous Compound | 72 hours | NOEC | 160 mg/l |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Water flea | Analogous Compound | 21 days | NOEC | 24.1 mg/l |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | N/A | Analogous Compound | 16 hours | NOEC | >3,000 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 |
| naphthenic acids, copper salts | 1338-02-9 | Green algae | Estimated | 72 hours | ErC50 | 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 | 0.07 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 | Green algae | Estimated | N/A | NOEC | 0.132 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Sediment Worm | Estimated | 28 days | NOEC | 110 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 7 days | NOEC | 0.02 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Activated sludge | Estimated | N/A | EC50 | 42 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Barley | Estimated | 4 days | NOEC | 96 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Redworm | Estimated | 56 days | NOEC | 60 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Soil microbes | Estimated | 4 days | NOEC | 72 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Springtail | Estimated | 28 days | NOEC | 167 mg/kg (Dry Weight) |

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/ThOD (< 10 day window) | OECD 301F - Manometric respirometry |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Biodegradation | 28 days | BOD | 84 %BOD/COD | OECD 301D - Closed bottle test |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Hydrolysis | | Hydrolytic half-life basic pH | 10.9 days (t 1/2) | OECD 111 Hydrolysis func of pH |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Kaolin, calcined | 92704-41-1 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Experimental Biodegradation | 28 days | CO2 evolution | 70 %CO2 evolution/THCO2 evolution | OECD 310 CO2 Headspace |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Experimental Biodegradation | 28 days | Percent degraded | 24 %degraded | |
| benzyltributylamm onium chloride | 23616-79-7 | Estimated Biodegradation | 28 days | BOD | 3.9 %BOD/ThOD | OECD 301C - MITI test (I) |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Analogous Compound Biodegradation | 28 days | BOD | 95 %BOD/ThOD | OECD 301C - MITI test (I) |
| tetrahydro-2-furyl- | 97-99-4 | Experimental | 28 days | BOD | 92 %BOD/ThOD | OECD 301C - MITI test (I) |

| | | | | | | |
|--------------------------------|-----------|-------------------------------|-----|-----------------------------|------------------|--------------------------------|
| methanol | | Biodegradation | | | | |
| tetrahydro-2-furyl-methanol | 97-99-4 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | >1 years (t 1/2) | OECD 111 Hydrolysis func of pH |
| naphthenic acids, copper salts | 1338-02-9 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|------------------------|-------------|--------------------------------|
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Experimental Bioconcentration | | Log Kow | 1.76 | OECD 117 log Kow HPLC method |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Bioconcentration | | Log Kow | 0.42 | OECD 107 log Kow shke flsk mtd |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Kaolin, calcined | 92704-41-1 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Modeled Bioconcentration | | Bioaccumulation factor | 39 | Catalogic™ |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Experimental Bioconcentration | | Log Kow | 5.09 | OECD 117 log Kow HPLC method |
| Bisphenol A polyethylene glycol diether dimethacrylate (polymer) | 41637-38-1 | Estimated Bioconcentration | | Bioaccumulation factor | 6.6 | |
| benzyltributylamm onium chloride | 23616-79-7 | Estimated Bioconcentration | | Bioaccumulation factor | 31.7 | |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Modeled Bioconcentration | | Bioaccumulation factor | 2.5 | Catalogic™ |
| DIETHYLENE GLYCOL, MONOMETHACRYLATE | 2351-43-1 | Modeled Bioconcentration | | Log Kow | 0.03 | Episuite™ |
| tetrahydro-2-furyl-methanol | 97-99-4 | Experimental Bioconcentration | | Log Kow | -0.11 | OECD 107 log Kow shke flsk mtd |
| naphthenic acids, copper salts | 1338-02-9 | Analogous Compound BCF - Fish | 42 days | Bioaccumulation factor | ≤27 | OECD305-Bioconcentration |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|---|-----------|-------------------------------|------------|-------------|--------------------------------|
| Tetrahydrofurfuryl methacrylate | 2455-24-5 | Modeled Mobility in Soil | Koc | 25 l/kg | Episuite™ |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Mobility in Soil | Koc | 42.7 l/kg | |
| Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl methacrylate | 7534-94-3 | Experimental Mobility in Soil | Koc | 5,130 l/kg | OECD 121 Estim. of Koc by HPLC |
| DIETHYLENE | 2351-43-1 | Modeled Mobility | Koc | 10 l/kg | Episuite™ |

| | | | | | |
|-----------------------------|---------|-----------------------------|-----|--------|-----------|
| GLYCOL, MONOMETHACRYLATE | | in Soil | | | |
| tetrahydro-2-furyl-methanol | 97-99-4 | Modeled Mobility in Soil | Koc | 2 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 completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. 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) |
|--|---------------------------|---------------------------|---|
| 14.1 UN number | No data available. | No data available. | No data available. |
| 14.2 UN proper shipping name | No data available. | No data available. | No data available. |
| 14.3 Transport hazard class(es) | No data available. | No data available. | No data available. |
| 14.4 Packing group | No data available. | No data available. | No data available. |
| 14.5 Environmental hazards | No data available. | No data available. | No data available. |
| 14.6 Special | Please refer to the other | Please refer to the other | Please refer to the other sections of the |

| precautions for user | sections of the SDS for further information. | sections of the SDS for further information. | SDS for further information. |
|--|--|--|------------------------------|
| 14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code | No data available. | No data available. | No data available. |
| Control Temperature | No data available. | No data available. | No data available. |
| Emergency Temperature | No data available. | No data available. | No data available. |
| ADR Classification Code | No data available. | No data available. | No data available. |
| IMDG Segregation Code | 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. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. 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.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1
None

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

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.

| | |
|--------|---|
| 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. |
| H335 | May cause respiratory irritation. |
| H360D | May damage the unborn child. |
| H360Df | May damage the unborn child. Suspected of damaging fertility. |
| 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:

GB Section 02: CLP Ingredient table information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 08: Personal Protection - Apron Statement information was added.
Section 8: Personal Protection - Skin/body information information was deleted.
Section 8: Skin protection - protective clothing information information was deleted.
Section 11: Acute Toxicity table information was modified.
Section 11: Germ Cell Mutagenicity 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 - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Bioaccumulative potential information information was modified.
Section 15: Seveso Substance Text information was deleted.

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