



Safety Data Sheet

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|---------------------------------------|------------|-------------------------|------------|
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| Revision date: | 07/11/2024 | Supersedes date: | 11/10/2023 |
| Transportation version number: | | | |

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 DP810NS Tan

Product Identification Numbers

62-2799-1435-2 62-2799-1436-0 62-2799-3530-8

7100082551 7100069366 7100148748

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:

16-0795-1, 16-0802-5

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

Carcinogenicity, Category 1B - Carc. 1B; H350

Reproductive Toxicity, Category 1B - Repr. 1B; H360F

Specific Target Organ Toxicity-Repeated Exposure, Category 2 - STOT RE 2; H373

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:

6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol; mequinol; hydroxypropyl methacrylate; 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate; α , α -dimethylbenzyl hydroperoxide; 2-hydroxyethyl methacrylate; Phenothiazine; cumene

HAZARD STATEMENTS:

| | |
|-------|--------------------------------------|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H360F | May damage fertility. |

| | |
|------|---|
| H373 | May cause damage to organs through prolonged or repeated exposure: nervous system respiratory system. |
|------|---|

H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|--|
| P201 | Obtain special instructions before use. |
| P273 | Avoid release to the environment. |
| 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.
H350 May cause cancer.
H360F May damage fertility.

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

P201 Obtain special instructions before use.
P2801 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.
Kit Information: CLP Target Organ Hazard Statement information was deleted.
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.
Label: CLP Target Organ Hazard Statement information was added.



Safety Data Sheet

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| | | | |
|------------------------|------------|-------------------------|------------|
| Document group: | 16-0802-5 | Version number: | 11.00 |
| Revision date: | 26/06/2024 | Supersedes date: | 11/10/2023 |

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 DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, 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 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
Carcinogenicity, Category 1B - Carc. 1B; H350
Reproductive Toxicity, Category 1B - Repr. 1B; H360F
Specific Target Organ Toxicity-Repeated Exposure, Category 2 - STOT RE 2; H373

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 |
|---|------------|-----------|---------|
| 2-hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 10 - 30 |
| hydroxypropyl methacrylate | 27813-02-1 | 248-666-3 | 10 - 30 |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | 201-254-7 | < 5 |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | 204-327-1 | < 1 |
| cumene | 98-82-8 | 202-704-5 | < 1 |

HAZARD STATEMENTS:

| | |
|-------|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H360F | May damage fertility. |
| H373 | May cause damage to organs through prolonged or repeated exposure: nervous system respiratory system. |
| H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|--|
| P201 | Obtain special instructions before use. |
| P260A | Do not breathe vapours. |
| P273 | Avoid release to the environment. |
| 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. |

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.
 H350 May cause cancer.
 H360F May damage fertility.

<=125 ml Precautionary statements

Prevention:

P201 Obtain special instructions before use.
 P260A Do not breathe vapours.
 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.

SUPPLEMENTAL INFORMATION:

Supplemental Precautionary Statements:

Restricted to professional users.

Contains 25% of components with unknown hazards to the aquatic environment.

H242 not required because material does not meet classification requirements based on available oxygen percentage from organic peroxides and hydrogen peroxide concentration.

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 |
|---|--|---------|--|
| 2-Phenoxyethyl methacrylate | (CAS-No.) 10595-06-9 (EC-No.) 234-201-1 | 10 - 40 | Aquatic Chronic 2, H411 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| hydroxypropyl methacrylate | (CAS-No.) 27813-02-1 (EC-No.) 248-666-3 | 10 - 30 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 | 10 - 30 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D |
| Acrylonitrile - 1,3-butadiene - methacrylic | (CAS-No.) 9010-81-5 | 5 - 20 | Substance not classified as hazardous |

| | | | |
|--|--|--------|--|
| acid copolymer | | | |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | (CAS-No.) 25101-28-4 | 5 - 20 | Substance not classified as hazardous |
| Reaction product of ethoxylated 4,4'-isopropylidenediphenol and methacrylic acid | (EC-No.) 935-411-2 | 5 - 20 | Substance not classified as hazardous |
| Silane, dichlorodimethyl-, reaction products with silica | (CAS-No.) 68611-44-9 (EC-No.) 271-893-4 | 1 - 10 | Substance with a national occupational exposure limit |
| α , α -dimethylbenzyl hydroperoxide | (CAS-No.) 80-15-9 (EC-No.) 201-254-7 | < 5 | Org. Perox. EF, H242 Acute Tox. 2, H330 Acute Tox. 3, H311 Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 STOT RE 1, H372 Aquatic Chronic 2, H411 |
| cumene | (CAS-No.) 98-82-8 (EC-No.) 202-704-5 | < 1 | Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Aquatic Chronic 2, H411 Carc. 1B, H350 |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | (CAS-No.) 119-47-1 (EC-No.) 204-327-1 | < 1 | Repr. 1B, H360F |

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.

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 |
|---|---|--|
| α , α -dimethylbenzyl hydroperoxide | (CAS-No.) 80-15-9 (EC-No.) 201-254-7 | (C \geq 10%) Skin Corr. 1B, H314 (3% \leq C < 10%) Skin Irrit. 2, H315 (C \geq 3%) Eye Dam. 1, H318 (1% \leq C < 3%) Eye Irrit. 2, H319 (C \geq 10%) STOT SE 3, H335 |

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). Target organ effects. See Section 11 for additional details.

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

Closed containers exposed to heat from fire may build pressure and explode.

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. |
| Toxic vapour, gas, particulate. | 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. 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. Keep away from reactive metals (eg. Aluminium, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard. 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 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

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 |
|-----------------|------------|--------|---|---------------------|
| Silicon dioxide | 68611-44-9 | UK HSC | TWA(as respirable dust):2.4 mg/m ³ ;TWA(as inhalable dust):6 mg/m ³ | |
| cumene | 98-82-8 | UK HSC | TWA:125 mg/m ³ (25 ppm);STEL:250 mg/m ³ (50 ppm) | SKIN |

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.

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 (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 mask or full facepiece air-purifying respirator with P3 particulate filters.
- 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 Acrylic |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |
| Boiling point/boiling range | 87 °C |
| Flammability | Not applicable. |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Flash point | 102.2 °C [<i>Test Method: Closed Cup</i>] |
| 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 | 84,112 mm ² /sec |
| Water solubility | Slight (less than 10%) |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <=13.3 Pa |
| Density | 1.07 g/ml |
| Relative density | 1.07 [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 | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Molecular weight | <i>No data available.</i> |

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation may occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

10.5 Incompatible materials

Amines.

Reducing agents.

Reactive metals

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

May be harmful if inhaled. 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.

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

May be harmful if swallowed.

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

Additional Health Effects:**Prolonged or repeated exposure may cause target organ effects:**

Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate. Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure.

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 >5,000 mg/kg |
| Overall product | Inhalation-Vapour(4 hr) | | No data available; calculated ATE >20 - =50 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE >2,000 - =5,000 mg/kg |
| 2-Phenoxyethyl methacrylate | Dermal | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| 2-Phenoxyethyl methacrylate | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| 2-hydroxyethyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| 2-hydroxyethyl methacrylate | Ingestion | Rat | LD50 5,564 mg/kg |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| hydroxypropyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| hydroxypropyl methacrylate | Ingestion | Rat | LD50 > 11,200 mg/kg |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part A

| | | | |
|--|--------------------------------|--------|--|
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |
| Silane, dichlorodimethyl-, reaction products with silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Silane, dichlorodimethyl-, reaction products with silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| α , α -dimethylbenzyl hydroperoxide | Dermal | Rat | LD50 500 mg/kg |
| α , α -dimethylbenzyl hydroperoxide | Inhalation-Vapour (4 hours) | Rat | LC50 1.4 mg/l |
| α , α -dimethylbenzyl hydroperoxide | Ingestion | Rat | LD50 382 mg/kg |
| cumene | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| cumene | Inhalation-Vapour (4 hours) | Rat | LC50 39.4 mg/l |
| cumene | Ingestion | Rat | LD50 1,400 mg/kg |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Dermal | Rabbit | LD50 > 10,000 mg/kg |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Ingestion | Rat | LD50 > 5,000 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|-------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Minimal irritation |
| 2-Phenoxyethyl methacrylate | similar compounds | Irritant |
| hydroxypropyl methacrylate | Rabbit | Minimal irritation |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Professional judgement | No significant irritation |
| Silane, dichlorodimethyl-, reaction products with silica | Rabbit | No significant irritation |
| α , α -dimethylbenzyl hydroperoxide | official classification | Corrosive |
| cumene | Rabbit | Minimal irritation |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|-------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| 2-Phenoxyethyl methacrylate | similar compounds | Severe irritant |
| hydroxypropyl methacrylate | Rabbit | Moderate irritant |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Professional judgement | No significant irritation |
| Silane, dichlorodimethyl-, reaction products with silica | Rabbit | No significant irritation |
| α , α -dimethylbenzyl hydroperoxide | official classification | Corrosive |
| cumene | Rabbit | Mild irritant |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Rabbit | Mild irritant |

Skin Sensitisation

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

| | | |
|--|------------------|----------------|
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| hydroxypropyl methacrylate | Human and animal | Sensitising |
| Silane, dichlorodimethyl-, reaction products with silica | Human and animal | Not classified |
| cumene | Guinea pig | Not classified |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Mouse | 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 |
|--|----------|--|
| 2-hydroxyethyl methacrylate | In vivo | Not mutagenic |
| 2-hydroxyethyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 2-Phenoxyethyl methacrylate | In Vitro | Not mutagenic |
| hydroxypropyl methacrylate | In vivo | Not mutagenic |
| hydroxypropyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Silane, dichlorodimethyl-, reaction products with silica | In Vitro | Not mutagenic |
| α , α -dimethylbenzyl hydroperoxide | In vivo | Not mutagenic |
| α , α -dimethylbenzyl hydroperoxide | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| cumene | In Vitro | Not mutagenic |
| cumene | In vivo | Not mutagenic |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | In Vitro | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--|----------------|-------------------------|--|
| Silane, dichlorodimethyl-, reaction products with silica | Not specified. | Mouse | Some positive data exist, but the data are not sufficient for classification |
| cumene | Inhalation | Multiple animal species | Carcinogenic. |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|-----------------------------|-----------|--|---------|-----------------------------|--------------------------------|
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring & 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 | prematuring & during gestation |
| hydroxypropyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| hydroxypropyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part A

| | | | | | |
|--|------------|--|--------|-----------------------|----------------------------|
| hydroxypropyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| cumene | Inhalation | Not classified for development | Rabbit | NOAEL 11.3 mg/l | during organogenesis |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Ingestion | Not classified for female reproduction | Rat | NOAEL 50 mg/kg/day | prematuring into lactation |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Ingestion | Not classified for development | Rat | NOAEL 50 mg/kg/day | prematuring into lactation |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Ingestion | Toxic to male reproduction | Rat | NOAEL 12.5 mg/kg/day | 50 days |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|-----------------------------------|--|-------------------------|---------------------|-----------------------|
| hydroxypropyl methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| α , α -dimethylbenzyl hydroperoxide | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | occupational exposure |
| α , α -dimethylbenzyl hydroperoxide | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |
| α , α -dimethylbenzyl hydroperoxide | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Professional judgement | NOAEL Not available | |
| cumene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |
| cumene | Inhalation | respiratory irritation | May cause respiratory irritation | Human | LOAEL 0.2 mg/l | occupational exposure |
| cumene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Multiple animal species | NOAEL Not available | not available |

Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--|------------|--|--|---------|-----------------------|-----------------------|
| hydroxypropyl methacrylate | Inhalation | blood | Not classified | Rat | NOAEL 0.5 mg/l | 21 days |
| hydroxypropyl methacrylate | Ingestion | hematopoietic system heart endocrine system liver immune system nervous system kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Silane, dichlorodimethyl-, reaction products with silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| α , α -dimethylbenzyl hydroperoxide | Inhalation | nervous system respiratory system | Causes damage to organs through prolonged or repeated exposure | Rat | LOAEL 0.2 mg/l | 7 days |
| α , α -dimethylbenzyl hydroperoxide | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 0.03 mg/l | 90 days |
| cumene | Inhalation | auditory system endocrine system hematopoietic | Not classified | Rat | NOAEL 59 mg/l | 13 weeks |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part A

| | | | | | | |
|--|------------|--|----------------|-----|---------------------|-----------|
| | | system liver nervous system eyes | | | | |
| cumene | Inhalation | kidney and/or bladder | Not classified | Rat | NOAEL 4.9 mg/l | 13 weeks |
| cumene | Inhalation | respiratory system | Not classified | Rat | NOAEL 59 mg/l | 13 weeks |
| cumene | Ingestion | kidney and/or bladder heart endocrine system hematopoietic system liver respiratory system | Not classified | Rat | NOAEL 769 mg/kg/day | 6 months |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | Ingestion | liver heart endocrine system gastrointestinal tract hematopoietic system immune system muscles nervous system kidney and/or bladder respiratory system | Not classified | Rat | NOAEL 42 mg/kg/day | 18 months |

Aspiration Hazard

| Name | Value |
|--------|-------------------|
| cumene | 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 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 |
|-----------------------------|------------|------------------|--------------------|----------|---------------|-------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Activated sludge | Analogous Compound | 3 hours | EC50 | 177 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Golden Orfe | Analogous Compound | 96 hours | LC50 | 10 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Green algae | Analogous Compound | 96 hours | ErC50 | 4.4 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Water flea | Analogous Compound | 48 hours | EC50 | 1.21 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Green algae | Analogous Compound | 96 hours | ErC10 | 0.74 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 |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part A

| | | | | | | |
|--|------------|------------------|---|----------|--------------------------------|-----------------------------|
| 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 |
| hydroxypropyl methacrylate | 27813-02-1 | Bacteria | Experimental | N/A | EC10 | 1,140 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Golden Orfe | Experimental | 48 hours | EC50 | 493 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Green algae | Experimental | 72 hours | ErC50 | >97.2 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Water flea | Experimental | 48 hours | EC50 | >143 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Green algae | Experimental | 72 hours | NOEC | 97.2 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Water flea | Experimental | 21 days | NOEC | 45.2 mg/l |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | 9010-81-5 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 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 |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Bacteria | Experimental | 18 hours | EC10 | 0.103 mg/l |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Green algae | Experimental | 72 hours | EC50 | 3.1 mg/l |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Rainbow trout | Experimental | 96 hours | LC50 | 3.9 mg/l |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Water flea | Experimental | 48 hours | EC50 | 18.84 mg/l |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Green algae | Experimental | 72 hours | NOEC | 1 mg/l |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Green algae | Endpoint not reached | 72 hours | EC50 | >100 mg/l |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Water flea | Endpoint not reached | 48 hours | EC50 | >100 mg/l |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Activated sludge | Experimental | 3 hours | EC50 | >10,000 mg/l |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Medaka | Experimental | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Green algae | Experimental | 72 hours | NOEC | 1.3 mg/l |
| cumene | 98-82-8 | Activated sludge | Experimental | 3 hours | EC10 | >2,000 mg/l |

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| | | | | | | |
|--------|---------|---------------|--------------|----------|------|-----------|
| cumene | 98-82-8 | Green algae | Experimental | 72 hours | EC50 | 2.6 mg/l |
| cumene | 98-82-8 | Mysid Shrimp | Experimental | 96 hours | EC50 | 1.2 mg/l |
| cumene | 98-82-8 | Rainbow trout | Experimental | 96 hours | LC50 | 2.7 mg/l |
| cumene | 98-82-8 | Water flea | Experimental | 48 hours | EC50 | 2.14 mg/l |
| cumene | 98-82-8 | Green algae | Experimental | 72 hours | NOEC | 0.22 mg/l |
| cumene | 98-82-8 | Water flea | Experimental | 21 days | NOEC | 0.35 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|-----------------------------------|----------|-------------------------------|-------------------|--------------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Analogous Compound Biodegradation | 28 days | BOD | 22.3 %BOD/ThOD | OECD 301D - Closed bottle test |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | 1 years (t 1/2) | OECD 111 Hydrolysis func of pH |
| 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 |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Biodegradation | 28 days | BOD | 81 %BOD/ThOD | OECD 301C - MITI test (I) |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | 9010-81-5 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | 25101-28-4 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Experimental Biodegradation | 28 days | BOD | 0 %BOD/ThOD | OECD 301C - MITI test (I) |
| 6,6'-Di-tert-butyl-2,2'-methylene-di-p-cresol | 119-47-1 | Experimental Biodegradation | 28 days | BOD | 0 %BOD/ThOD | OECD 301C - MITI test (I) |
| cumene | 98-82-8 | Experimental Biodegradation | 14 days | BOD | 33 %BOD/ThOD | OECD 301C - MITI test (I) |
| cumene | 98-82-8 | Experimental Photolysis | | Photolytic half-life (in air) | 4.5 days (t 1/2) | |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|------------------------|-------------|---------------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Modeled Bioconcentration | | Bioaccumulation factor | 5.8 | Catalogic™ |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Experimental Bioconcentration | | Log Kow | 3.137 | OECD 117 log Kow HPLC method |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Bioconcentration | | Log Kow | 0.42 | OECD 107 log Kow shke flask mtd |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Bioconcentration | | Log Kow | 0.97 | EC A.8 Partition Coefficient |
| Acrylonitrile - 1,3-butadiene - methacrylic acid | 9010-81-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |

| | | | | | | |
|--|------------|---|---------|------------------------|------|--------------------------------|
| copolymer | | | | | | |
| 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 |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | Experimental Bioconcentration | | Log Kow | 1.82 | |
| 6,6'-Di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | Experimental BCF - Fish | 60 days | Bioaccumulation factor | 840 | OECD305-Bioconcentration |
| cumene | 98-82-8 | Modeled Bioconcentration | | Bioaccumulation factor | 140 | Catalogic™ |
| cumene | 98-82-8 | Experimental Bioconcentration | | Log Kow | 3.55 | OECD 107 log Kow shke flsk mtd |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|-----------------------------|------------|-------------------------------|------------|-------------|-----------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Modeled Mobility in Soil | Koc | 380 l/kg | Episuite™ |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Mobility in Soil | Koc | 42.7 l/kg | |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Mobility in Soil | Koc | 10 l/kg | Episuite™ |
| cumene | 98-82-8 | Modeled Mobility in Soil | Koc | 700 | 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

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|---|---|---|
| 14.1 UN number | UN3082 | UN3082 | UN3082 |
| 14.2 UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER; CUMENE HYDROPEROXIDE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER; CUMENE HYDROPEROXIDE) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER; CUMENE HYDROPEROXIDE) |
| 14.3 Transport hazard class(es) | 9 | 9 | 9 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Environmentally Hazardous | Not applicable | Marine Pollutant |
| 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 | M6 | Not applicable. | Not applicable. |
| IMDG Segregation Code | Not applicable. | Not applicable. | Not applicable. |

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
Ingredient

CAS Nbr

Classification

Regulation

cumene

98-82-8

Carc. 1B

Annex VI-18th ATP according to the

cumene

98-82-8

Grp. 2B: Possible human
carc.

retained CLP
Regulation (EU) No
1272/2008, as amended
for Great Britain
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 the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. 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

| 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

| Dangerous Substances | Identifier(s) | Qualifying quantity (tonnes) for the application of | |
|---|---------------|---|-------------------------|
| | | Lower-tier requirements | Upper-tier requirements |
| cumene | 98-82-8 | 10 | 50 |
| α , α -dimethylbenzyl hydroperoxide | 80-15-9 | 50 | 200 |

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. |
| H242 | Heating may cause a fire. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H311 | Toxic in contact with skin. |
| 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. |
| H330 | Fatal if inhaled. |
| H335 | May cause respiratory irritation. |
| H350 | May cause cancer. |
| H360F | May damage fertility. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure: nervous system respiratory system. |
| H411 | Toxic to aquatic life with long lasting effects. |

Revision information:

GB Section 02: CLP Ingredient table information was modified.

Section 2: <125ml Precautionary - Prevention information was modified.

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

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

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 11: Germ Cell Mutagenicity Table information was modified.

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 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.

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.



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| | | | |
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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended 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 DP810NS Tan and Low Odor Acrylic Adhesive 810NS Tan, Part B

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 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
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) |GHS09 (Environment) |

Pictograms



| Ingredient | CAS Nbr | EC No. | % by Wt |
|--|------------|-----------|---------|
| 2-hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 10 - 30 |
| hydroxypropyl methacrylate | 27813-02-1 | 248-666-3 | 10 - 30 |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | 258-053-2 | < 4 |
| mequinol | 150-76-5 | 205-769-8 | < 1 |
| Phenothiazine | 92-84-2 | 202-196-5 | < 1 |

HAZARD STATEMENTS:

| | |
|------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|---|
| P273 | Avoid release to the environment. |
| P280B | Wear protective gloves and eye/face 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. |
| P391 | Collect spillage. |

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. |

<=125 ml Precautionary statements

Prevention:

| | |
|-------|---|
| P280B | Wear protective gloves and eye/face 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.

Contains 25% 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 |
|--|--|----------|--|
| 2-Phenoxyethyl methacrylate | (CAS-No.) 10595-06-9 (EC-No.) 234-201-1 | 10 - 40 | Aquatic Chronic 2, H411 Skin Sens. 1A, H317 Repr. 2, H361df |
| hydroxypropyl methacrylate | (CAS-No.) 27813-02-1 (EC-No.) 248-666-3 | 10 - 30 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 | 10 - 30 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | (CAS-No.) 9010-81-5 | 5 - 20 | Substance not classified as hazardous |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | (CAS-No.) 25101-28-4 | 5 - 20 | Substance not classified as hazardous |
| Bisphenol A polyethylene glycol diether dimethacrylate | (CAS-No.) 41637-38-1 (EC-No.) 609-946-4 | 5 - 20 | Substance not classified as hazardous |
| Silane, dichlorodimethyl-, reaction products with silica | (CAS-No.) 68611-44-9 (EC-No.) 271-893-4 | 1 - 10 | Substance with a national occupational exposure limit |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | (CAS-No.) 52628-03-2 (EC-No.) 258-053-2 | < 4 | Skin Corr. 1C, H314 Skin Sens. 1B, H317 |
| Phenothiazine | (CAS-No.) 92-84-2 (EC-No.) 202-196-5 | < 1 | Acute Tox. 4, H302 Skin Sens. 1B, H317 STOT RE 2, H373 Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1 |
| mequinol | (CAS-No.) 150-76-5 | < 1 | Acute Tox. 4, H302 |

| | | | |
|--|--------------------|--|---|
| | (EC-No.) 205-769-8 | | Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
|--|--------------------|--|---|

Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance. 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

Closed containers exposed to heat from fire may build pressure and explode.

Hazardous Decomposition or By-Products

Substance

- Carbon monoxide
- Carbon dioxide.
- Hydrogen Chloride
- Oxides of nitrogen.
- Toxic vapour, gas, particulate.

Condition

- 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 use in a confined area with minimal air exchange. 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. Keep away from reactive metals (eg. Aluminium, zinc etc.) to avoid the formation of hydrogen gas that could create an explosion hazard.

7.2. Conditions for safe storage including any incompatibilities

Store away from heat. 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

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 |
|-----------------|------------|--------|---|---------------------|
| Silicon dioxide | 68611-44-9 | UK HSE | TWA(as respirable dust):2.4 mg/m ³ ;TWA(as inhalable dust):6 mg/m ³ | |

UK HSE : 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.

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

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 | Green |
| Odor | Mild Methacrylate |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |

| | |
|---|---|
| Boiling point/boiling range | 87 °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-polar/aprotic</i> |
| Kinematic Viscosity | 84,112 mm ² /sec |
| Water solubility | Slight (less than 10%) |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <=13.3 Pa |
| Density | 1.07 g/ml |
| Relative density | 1.07 [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

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 may occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

Heat is generated during cure. Do not cure a mass larger than 50 grams in a confined space to prevent a premature exothermic reaction with production of intense heat and smoke.

10.5 Incompatible materials

Amines.

Reducing agents.

Reactive metals

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

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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.

Photosensitisation: Signs/symptoms may include a sunburn-like reaction such as blistering, redness, swelling, and itching from minor exposure to sunlight.

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.

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 |
| 2-hydroxyethyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| 2-hydroxyethyl methacrylate | Ingestion | Rat | LD50 5,564 mg/kg |
| 2-Phenoxyethyl methacrylate | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| 2-Phenoxyethyl methacrylate | Ingestion | similar compounds | LD50 > 5,000 mg/kg |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| hydroxypropyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| hydroxypropyl methacrylate | Ingestion | Rat | LD50 > 11,200 mg/kg |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Ingestion | | LD50 estimated to be 2,000 - 5,000 mg/kg |

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| | | | |
|--|--------------------------------|--------|--------------------|
| Bisphenol A polyethylene glycol diether dimethacrylate | Dermal | Rat | LD50 > 2,000 mg/kg |
| Bisphenol A polyethylene glycol diether dimethacrylate | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Silane, dichlorodimethyl-, reaction products with silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Silane, dichlorodimethyl-, reaction products with silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Ingestion | Rat | LD50 > 2,000 mg/kg |
| mequinol | Dermal | Rat | LD50 > 2,000 mg/kg |
| mequinol | Ingestion | Rat | LD50 1,630 mg/kg |
| Phenothiazine | Dermal | Rat | LD50 > 2,000 mg/kg |
| Phenothiazine | Ingestion | Rat | LD50 1,370 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|--|------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Minimal irritation |
| 2-Phenoxyethyl methacrylate | similar compounds | No significant irritation |
| hydroxypropyl methacrylate | Rabbit | Minimal irritation |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Professional judgement | No significant irritation |
| Bisphenol A polyethylene glycol diether dimethacrylate | In vitro data | No significant irritation |
| Silane, dichlorodimethyl-, reaction products with silica | Rabbit | No significant irritation |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Rabbit | Corrosive |
| mequinol | Rabbit | Mild irritant |
| Phenothiazine | Rabbit | No significant irritation |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| 2-Phenoxyethyl methacrylate | similar compounds | No significant irritation |
| hydroxypropyl methacrylate | Rabbit | Moderate irritant |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | Professional judgement | No significant irritation |
| Bisphenol A polyethylene glycol diether dimethacrylate | In vitro data | No significant irritation |
| Silane, dichlorodimethyl-, reaction products with silica | Rabbit | No significant irritation |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | similar health hazards | Corrosive |
| mequinol | Rabbit | Severe irritant |
| Phenothiazine | Rabbit | Mild irritant |

Skin Sensitisation

| Name | Species | Value |
|-----------------------------|-------------------|-------------|
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| 2-Phenoxyethyl methacrylate | similar compounds | Sensitising |

| | | |
|--|-------------------------|----------------|
| hydroxypropyl methacrylate | Human and animal | Sensitising |
| Bisphenol A polyethylene glycol diether dimethacrylate | Multiple animal species | Not classified |
| Silane, dichlorodimethyl-, reaction products with silica | Human and animal | Not classified |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Mouse | Sensitising |
| mequinol | Guinea pig | Sensitising |
| Phenothiazine | Guinea pig | Sensitising |

Photosensitisation

| Name | Species | Value |
|---------------|---------|-------------|
| Phenothiazine | Human | 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 |
|--|----------|--|
| 2-hydroxyethyl methacrylate | In vivo | Not mutagenic |
| 2-hydroxyethyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 2-Phenoxyethyl methacrylate | In Vitro | Not mutagenic |
| hydroxypropyl methacrylate | In vivo | Not mutagenic |
| hydroxypropyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Bisphenol A polyethylene glycol diether dimethacrylate | In Vitro | Not mutagenic |
| Silane, dichlorodimethyl-, reaction products with silica | In Vitro | Not mutagenic |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | In Vitro | Not mutagenic |
| mequinol | In vivo | Not mutagenic |
| mequinol | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Phenothiazine | In Vitro | Not mutagenic |
| Phenothiazine | In vivo | Not mutagenic |

Carcinogenicity

| Name | Route | Species | Value |
|--|----------------|-------------------------|--|
| Silane, dichlorodimethyl-, reaction products with silica | Not specified. | Mouse | Some positive data exist, but the data are not sufficient for classification |
| mequinol | Dermal | Multiple animal species | Not carcinogenic |
| mequinol | Ingestion | Multiple animal species | Some positive data exist, but the data are not sufficient for classification |

Reproductive Toxicity

Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test result | Exposure Duration |
|-----------------------------|-----------|--|---------|-----------------------------|------------------------------|
| 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 | 49 days |

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| | | | | mg/kg/day | |
|--|-----------|--|-------------------|-----------------------|--------------------------------|
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | prematuring & during gestation |
| 2-Phenoxyethyl methacrylate | Ingestion | Toxic to female reproduction | similar compounds | NOAEL 300 mg/kg/day | prematuring into lactation |
| 2-Phenoxyethyl methacrylate | Ingestion | Toxic to development | similar compounds | NOAEL 300 mg/kg/day | prematuring into lactation |
| hydroxypropyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| hydroxypropyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |
| hydroxypropyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Bisphenol A polyethylene glycol diether dimethacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| Bisphenol A polyethylene glycol diether dimethacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 28 days |
| Bisphenol A polyethylene glycol diether dimethacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Silane, dichlorodimethyl-, reaction products with silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| mequinol | Ingestion | Not classified for female reproduction | Rat | NOAEL 300 mg/kg/day | prematuring into lactation |
| mequinol | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | Not classified for development | Rat | NOAEL 200 mg/kg/day | during gestation |
| Phenothiazine | Ingestion | Not classified for development | Rat | NOAEL 150 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 |
|--|------------|------------------------|--|------------------------|---------------------|-------------------|
| hydroxypropyl methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| mequinol | 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 |
|---------------|------------|-----------------|----------------|---------|-------------|-------------------|
| hydroxypropyl | Inhalation | blood | Not classified | Rat | NOAEL 0.5 | 21 days |

| methacrylate | | | | | mg/l | |
|--|------------|--|--|-------|-----------------------|-----------------------|
| hydroxypropyl methacrylate | Ingestion | hematopoietic system heart endocrine system liver immune system nervous system kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |
| Bisphenol A polyethylene glycol diether dimethacrylate | Ingestion | hematopoietic system liver immune system kidney and/or bladder endocrine system eyes | Not classified | Rat | NOAEL 1,000 mg/kg/day | 13 weeks |
| Silane, dichlorodimethyl-, reaction products with silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | Ingestion | hematopoietic system kidney and/or bladder heart liver immune system eyes | Not classified | Rat | NOAEL 300 mg/kg/day | 90 days |
| mequinol | Ingestion | gastrointestinal tract | Not classified | Rat | LOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | liver immune system | Not classified | Rat | NOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | heart endocrine system hematopoietic system nervous system respiratory system | Not classified | Rat | NOAEL 300 mg/kg/day | 28 days |
| Phenothiazine | Ingestion | hematopoietic system | May cause damage to organs though prolonged or repeated exposure | Dog | NOAEL 18 mg/kg/day | 13 weeks |
| Phenothiazine | Ingestion | heart endocrine system liver kidney and/or bladder respiratory system | Not classified | Dog | NOAEL 67 mg/kg/day | 13 weeks |

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.

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| Material | CAS # | Organism | Type | Exposure | Test endpoint | Test result |
|--|------------|------------------|---|----------|--------------------------------|-----------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Activated sludge | Analogous Compound | 3 hours | EC50 | 177 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Golden Orfe | Analogous Compound | 96 hours | LC50 | 10 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Green algae | Analogous Compound | 96 hours | ErC50 | 4.4 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Water flea | Analogous Compound | 48 hours | EC50 | 1.21 mg/l |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Green algae | Analogous Compound | 96 hours | ErC10 | 0.74 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 |
| hydroxypropyl methacrylate | 27813-02-1 | Bacteria | Experimental | N/A | EC10 | 1,140 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Golden Orfe | Experimental | 48 hours | EC50 | 493 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Green algae | Experimental | 72 hours | ErC50 | >97.2 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Water flea | Experimental | 48 hours | EC50 | >143 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Green algae | Experimental | 72 hours | NOEC | 97.2 mg/l |
| hydroxypropyl methacrylate | 27813-02-1 | Water flea | Experimental | 21 days | NOEC | 45.2 mg/l |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | 9010-81-5 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Green algae | Analogous Compound | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Rainbow trout | Analogous Compound | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Water flea | Experimental | 48 hours | No tox obs at lmt of water sol | >100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Green algae | Analogous Compound | 72 hours | No tox obs at lmt of water sol | 100 mg/l |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Water flea | Analogous Compound | 21 days | No tox obs at lmt of water sol | 100 mg/l |
| Bisphenol A polyethylene glycol diether | 41637-38-1 | Zebra Fish | Analogous Compound | 34 days | No tox obs at lmt of water sol | 100 mg/l |

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| | | | | | | |
|--|------------|-------------------|---|----------|-------|-------------|
| dimethacrylate | | | | | | |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Activated sludge | Experimental | 3 hours | EC50 | >1,000 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 |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Green algae | Experimental | 72 hours | EC50 | >120 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Rainbow trout | Experimental | 96 hours | LC50 | >112 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Water flea | Experimental | 48 hours | EC50 | 68 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Green algae | Experimental | 72 hours | NOEC | 30 mg/l |
| mequinol | 150-76-5 | Ciliated protozoa | Experimental | 40 hours | IC50 | 171.4 mg/l |
| mequinol | 150-76-5 | Green algae | Experimental | 72 hours | ErC50 | 54.7 mg/l |
| mequinol | 150-76-5 | Rainbow trout | Experimental | 96 hours | LC50 | 28.5 mg/l |
| mequinol | 150-76-5 | Water flea | Experimental | 48 hours | EC50 | 2.2 mg/l |
| mequinol | 150-76-5 | Green algae | Experimental | 72 hours | NOEC | 2.96 mg/l |
| mequinol | 150-76-5 | Water flea | Experimental | 21 days | NOEC | 0.68 mg/l |
| Phenothiazine | 92-84-2 | Activated sludge | Experimental | 3 hours | IC50 | >100 mg/l |
| Phenothiazine | 92-84-2 | Ciliated protozoa | Experimental | 48 hours | IC50 | 8 mg/l |
| Phenothiazine | 92-84-2 | Green algae | Experimental | 72 hours | ErC50 | >100 mg/l |
| Phenothiazine | 92-84-2 | Rainbow trout | Experimental | 96 hours | LC50 | 0.597 mg/l |
| Phenothiazine | 92-84-2 | Water flea | Experimental | 48 hours | EC50 | 0.154 mg/l |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|-----------------------------|------------|-----------------------------------|----------|-------------------------------|-------------------|--------------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Analogous Compound Biodegradation | 28 days | BOD | 22.3 %BOD/ThOD | OECD 301D - Closed bottle test |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | 1 years (t 1/2) | OECD 111 Hydrolysis func of pH |
| 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 |
| hydroxypropyl | 27813-02-1 | Experimental | 28 days | BOD | 81 %BOD/ThOD | OECD 301C - MITI test (I) |

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| | | | | | | |
|--|------------|---|---------|------------------|----------------|-------------------------------------|
| methacrylate | | Biodegradation | | | | |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | 9010-81-5 | Data not available - insufficient | N/A | N/A | N/A | N/A |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Experimental Biodegradation | 28 days | BOD | 24 %BOD/ThOD | OECD 301D - Closed bottle test |
| 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 |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | Data not available - insufficient | N/A | N/A | N/A | N/A |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Experimental Biodegradation | 28 days | BOD | 93.1 %BOD/ThOD | OECD 301F - Manometric respirometry |
| mequinol | 150-76-5 | Experimental Biodegradation - Anaerobic | 28 days | Percent degraded | >90 %degraded | |
| mequinol | 150-76-5 | Experimental Biodegradation | 28 days | BOD | 86 %BOD/ThOD | OECD 301C - MITI test (I) |
| Phenothiazine | 92-84-2 | Experimental Biodegradation | 28 days | BOD | 0 %BOD/ThOD | OECD 301D - Closed bottle test |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|--|------------|---|----------|------------------------|-------------|----------------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Modeled Bioconcentration | | Bioaccumulation factor | 5.8 | Catalogic™ |
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Experimental Bioconcentration | | Log Kow | 3.137 | OECD 117 log Kow HPLC method |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Bioconcentration | | Log Kow | 0.42 | OECD 107 log Kow shake flask mtd |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Bioconcentration | | Log Kow | 0.97 | EC A.8 Partition Coefficient |
| Acrylonitrile - 1,3-butadiene - methacrylic acid copolymer | 9010-81-5 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Modeled Bioconcentration | | Bioaccumulation factor | 7 | Catalogic™ |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Experimental Bioconcentration | | Log Kow | ≥4.66 | OECD 117 log Kow HPLC method |
| 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 |
| Silane, dichlorodimethyl-, reaction products with silica | 68611-44-9 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Experimental Bioconcentration | | Log Kow | 1 - 2.72 | OECD 117 log Kow HPLC method |

| | | | | | | |
|---------------|----------|-------------------------------|---------|------------------------|------|------------------------------|
| mequinol | 150-76-5 | Experimental Bioconcentration | | Log Kow | 1.58 | |
| Phenothiazine | 92-84-2 | Experimental BCF - Fish | 56 days | Bioaccumulation factor | 660 | |
| Phenothiazine | 92-84-2 | Experimental Bioconcentration | | Log Kow | 3.78 | OECD 117 log Kow HPLC method |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|--|------------|-------------------------------|------------|---------------|--------------------------------|
| 2-Phenoxyethyl methacrylate | 10595-06-9 | Modeled Mobility in Soil | Koc | 380 l/kg | Episuite™ |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Mobility in Soil | Koc | 42.7 l/kg | |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Mobility in Soil | Koc | 10 l/kg | Episuite™ |
| Bisphenol A polyethylene glycol diether dimethacrylate | 41637-38-1 | Modeled Mobility in Soil | Koc | 360-7600 l/kg | |
| 2-Propenoic acid, 2-methyl-, 2-hydroxyethyl ester, phosphate | 52628-03-2 | Modeled Mobility in Soil | Koc | 10 l/kg | Episuite™ |
| mequinol | 150-76-5 | Experimental Mobility in Soil | Koc | 55.7 l/kg | |
| Phenothiazine | 92-84-2 | Experimental Mobility in Soil | Koc | 5,754 l/kg | OECD 121 Estim. of Koc by HPLC |

12.5. Results of the PBT and vPvB assessment

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

12.6. 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

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|--|--|--|
| 14.1 UN number | UN3082 | UN3082 | UN3082 |
| 14.2 UN proper shipping name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(ACRYLATE MONOMER) |
| 14.3 Transport hazard class(es) | 9 | 9 | 9 |
| 14.4 Packing group | III | III | III |
| 14.5 Environmental hazards | Environmentally Hazardous | Not applicable | Marine Pollutant |
| 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 | M6 | Not applicable. | Not applicable. |
| IMDG Segregation Code | Not applicable. | Not applicable. | NONE |

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 the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Australia National Industrial Chemical Notification and Assessment Scheme (NICNAS). Certain restrictions may apply. Contact the selling division for additional information. The components of this material are in compliance with the provisions of Japan Chemical Substance Control Law. Certain restrictions may apply. Contact the selling division for additional information. 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

| 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.
- 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.
- H361df Suspected of damaging fertility. Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 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 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.
- GBSDS Section 14 Transport in bulk - Main Heading information was added.
- GBSDS Section 14 UN Number information was added.
- CLP: Ingredient table information was deleted.
- Label: CLP Percent Unknown information was deleted.
- Section 02: Label Elements: GB Percent Unknown information was added.
- 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 8: Occupational exposure limit table information was modified.
OEL Reg Agency Desc information was modified.
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 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: 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 modified.
Section 11: Target Organs - Single Table information was modified.
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 modified.
Prints No Data if Adverse effects information is not present 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 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 UN Number information was deleted.
Section 15: Chemical Safety Assessment information was deleted.
Section 15: Seveso Hazard Category Text information was added.
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 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.

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.