



Safety Data Sheet

Copyright, 2024, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

| | | | |
|---------------------------------------|------------|-------------------------|------------|
| Document group: | 41-7884-4 | Version number: | 2.01 |
| Revision date: | 24/07/2024 | Supersedes date: | 25/06/2024 |
| Transportation version number: | | | |

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

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

1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Kit

Product Identification Numbers

62-2870-1445-0 62-2870-3630-5 62-2870-5030-6

7100233348 7100233349 7100291547

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

Identified uses

Adhesive

1.3. Details of the supplier of the safety data sheet

Address: 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone: +353 1 280 3555
E Mail: tox.uk@mmm.com

Website: www.3M.com

1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

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:

41-7883-6, 41-7837-2

TRANSPORTATION INFORMATION

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

KIT LABEL

2.1. Classification of the substance or mixture CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

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

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319

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

Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H335

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

For full text of H phrases, see Section 16.

2.2. Label elements CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms



Contains:

2-hydroxyethyl methacrylate; mequinol; CYCLOHEXYL METHACRYLATE; hydroxypropyl methacrylate; dodecyl methacrylate; methyl methacrylate; Tert-butyl 3,5,5-trimethylperoxyhexanoate.

HAZARD STATEMENTS:

| | |
|------|--|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|--------------------------|
| P261A | Avoid breathing vapours. |
| P280E | Wear protective gloves. |

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

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

Revision information:

Kit: Component document group number(s) information was modified.



Safety Data Sheet

Copyright, 2024, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

| | | | |
|------------------------|------------|-------------------------|------------|
| Document group: | 41-7883-6 | Version number: | 3.00 |
| Revision date: | 26/07/2024 | Supersedes date: | 01/03/2023 |

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

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

1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part A

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

Identified uses

Adhesive

1.3. Details of the supplier of the safety data sheet

Address: 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone: +353 1 280 3555
E Mail: tox.uk@mmm.com
Website: www.3M.com

1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

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

CLASSIFICATION:

Skin Sensitization, Category 1 - Skin Sens. 1; H317
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms



Ingredients:

| Ingredient | CAS Nbr | EC No. | % by Wt |
|---|------------|-----------|----------|
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | 236-050-7 | 0.1 - 10 |

HAZARD STATEMENTS:

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P280E Wear protective gloves.

Response:

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

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

Contains 45% 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] |
|--|--|---------|---|
| Oxydipropyl dibenzoate | (CAS-No.) 27138-31-4 (EC-No.) 248-258-5 | 45 - 65 | Aquatic Chronic 3, H412 |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | (CAS-No.) 25101-28-4 | 10 - 30 | Substance not classified as hazardous |

| | | | |
|---|--|----------|---|
| Catalyst. | Trade Secret | 1 - 20 | Substance not classified as hazardous |
| reaction mass of: cis-1,4-dimethylcyclohexyl dibenzoate | None | < 11 | Substance not classified as hazardous |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | (CAS-No.) 13122-18-4 (EC-No.) 236-050-7 | 0.1 - 10 | Org. Perox. CD, H242 Skin Sens. 1B, H317 Aquatic Acute 1, H400,M=1 Aquatic Chronic 3, H412 |

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

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

Skin contact

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

Eye contact

If exposed, flush eyes with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms develop, get medical attention.

If swallowed

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

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

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

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide.

Condition

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

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

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage including any incompatibilities

Protect from sunlight. Store away from heat. Store away from acids. Store away from strong bases. Store away from oxidising agents. Store in a dry place. Store away from amines.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

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

Biological limit values

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

8.2. Exposure controls

8.2.1. Engineering controls

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

8.2.2. Personal protective equipment (PPE)

Eye/face protection

None required.

Skin/hand protection

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

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

| Material | Thickness (mm) | Breakthrough Time |
|---------------|-------------------|-------------------|
| Butyl rubber. | No data available | No data available |
| Neoprene. | 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 – Butyl rubber Neoprene apron.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | Liquid. |
| Specific Physical Form: | Paste |
| Colour | Grey |
| Odor | Mild Hydrocarbon |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |
| Boiling point/boiling range | ≥ 65.6 °C |
| Flammability | Not applicable. |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Flash point | > 93.3 °C [Test Method: Closed Cup] |
| Autoignition temperature | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| pH | <i>substance/mixture is non-soluble (in water)</i> |
| Kinematic Viscosity | 18,500 mm ² /sec |
| Water solubility | Nil |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Density | 1.08 g/ml |
| Relative density | 1.08 [Ref Std: WATER=1] |
| Relative Vapour Density | <i>No data available.</i> |
| Particle Characteristics | <i>Not applicable.</i> |

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds

No data available.

Evaporation rate

No data available.

Molecular weight

Not applicable.

Percent volatile

< 6

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

Substance

Condition

None known.

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

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

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Signs and Symptoms of Exposure

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

Inhalation

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

Skin contact

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

Eye contact

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

Ingestion

May be harmful if swallowed.

Toxicological Data

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

Acute Toxicity

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

ATE = acute toxicity estimate

Skin Corrosion/Irritation

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

Serious Eye Damage/Irritation

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

Skin Sensitisation

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

Respiratory Sensitisation

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

Germ Cell Mutagenicity

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

Carcinogenicity

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

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

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

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

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

Specific Target Organ Toxicity - repeated exposure

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

Aspiration Hazard

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

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

11.2. Information on other hazards

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

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available.

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

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|--------------|--|----------|-------------------------------|--------------------------------------|-----------------------------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Experimental Biodegradation | 28 days | CO2 evolution | 85 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |
| 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 |
| Catalyst. | Trade Secret | Experimental Biodegradation | 28 days | CO2 evolution | 29.1 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |
| Catalyst. | Trade Secret | Estimated Photolysis | | Photolytic half-life (in air) | 1.48 days (t 1/2) | |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Biodegradation | 28 days | BOD | 72 %BOD/ThOD | OECD 301D - Closed bottle test |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Aquatic Inherent Biodegrad. | 56 days | BOD | 58 %BOD/ThOD | OECD 302A - Modified SCAS Test |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | 51 hours (t 1/2) | OECD 111 Hydrolysis func of pH |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|----------|---------|-----------|----------|------------|-------------|----------|
|----------|---------|-----------|----------|------------|-------------|----------|

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part A

| | | | | | | |
|--|--------------|---|-----|------------------------|------|------------------------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Modeled Bioconcentration | | Bioaccumulation factor | 8 | Catalogic™ |
| Styrene, polymer with 1,3-Butadiene, butylacrylate and methyl methacrylate | 25101-28-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Catalyst. | Trade Secret | Experimental Bioconcentration | | Log Kow | 2.57 | |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Modeled Bioconcentration | | Bioaccumulation factor | 380 | Catalogic™ |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Experimental Bioconcentration | | Log Kow | 5.16 | OECD 117 log Kow HPLC method |

12.4. Mobility in soil

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

12.5. Results of the PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

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

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

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

EU waste code (product as sold)

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

SECTION 14: Transportation information

Not hazardous for transportation.

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

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

SECTION 15: Regulatory information

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

Global inventory status

Contact 3M for more information. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1

| 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

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.

SECTION 16: Other information

List of relevant H statements

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

Revision information:

- Label: CLP Classification information was modified.
- Label: CLP Environmental Hazard Statements information was modified.
- Label: CLP Percent Unknown information was added.
- Label: CLP Percent Unknown information was modified.
- Label: CLP Precautionary - Prevention information was modified.
- Label: CLP Precautionary - Response information was modified.
- Label: Graphic information was modified.
- Section 3: Composition/ Information of ingredients table 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 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.
- Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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

3M Ireland MSDSs are available at www.3M.com



Safety Data Sheet

Copyright, 2024, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

| | | | |
|------------------------|------------|-------------------------|------------|
| Document group: | 41-7837-2 | Version number: | 2.00 |
| Revision date: | 24/07/2024 | Supersedes date: | 07/06/2024 |

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

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

1.1. Product identifier

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

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

Identified uses

Adhesive

1.3. Details of the supplier of the safety data sheet

Address: 3M Ireland Limited, The Iveagh Building, The Park, Carrickmines, Dublin 18.
Telephone: +353 1 280 3555
E Mail: tox.uk@mmm.com
Website: www.3M.com

1.4. Emergency telephone number

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

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

CLASSIFICATION:

Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
Skin Sensitization, Category 1 - Skin Sens. 1; H317
Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H335

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms



Ingredients:

| Ingredient | CAS Nbr | EC No. | % by Wt |
|-----------------------------|------------|-----------|---------|
| 2-hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 25 - 50 |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | 202-943-5 | 1 - 15 |
| dodecyl methacrylate | 142-90-5 | 205-570-6 | 1 - 15 |
| hydroxypropyl methacrylate | 27813-02-1 | 248-666-3 | 0.1 - 5 |
| mequinol | 150-76-5 | 205-769-8 | < 1 |
| methyl methacrylate | 80-62-6 | 201-297-1 | < 1 |

HAZARD STATEMENTS:

| | |
|------|--------------------------------------|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H317 | May cause an allergic skin reaction. |
| H335 | May cause respiratory irritation. |

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|--------------------------|
| P261A | Avoid breathing vapours. |
| P280E | Wear protective gloves. |

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

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

<=125 ml Hazard statements

| | |
|------|--------------------------------------|
| H317 | May cause an allergic skin reaction. |
|------|--------------------------------------|

<=125 ml Precautionary statements

Prevention:

| | |
|-------|-------------------------|
| P280E | Wear protective gloves. |
|-------|-------------------------|

Response:

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

15% of the mixture consists of components of unknown acute oral toxicity.

Contains 22% 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] |
|--|--|----------|---|
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 | 25 - 50 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D |
| Acrylonitrile - butadiene polymer | (CAS-No.) 9003-18-3 | 1 - 20 | Substance not classified as hazardous |
| Kaolin | (CAS-No.) 1332-58-7 (EC-No.) 310-194-1 | 0.1 - 20 | Substance with a national occupational exposure limit |
| CYCLOHEXYL METHACRYLATE | (CAS-No.) 101-43-9 (EC-No.) 202-943-5 | 1 - 15 | Eye Irrit. 2, H319 STOT SE 3, H335 Skin Sens. 1, H317 |
| dodecyl methacrylate | (CAS-No.) 142-90-5 (EC-No.) 205-570-6 | 1 - 15 | STOT SE 3, H335 |
| Polymeric Methacrylate | Trade Secret | 3 - 15 | Substance not classified as hazardous |
| Acrylic copolymer | Trade Secret | <= 10 | Substance not classified as hazardous |
| Urethane Acrylate Oligomer | Trade Secret | 0.1 - 5 | Substance not classified as hazardous |
| MYRISTYL METHACRYLATE | (CAS-No.) 2549-53-3 (EC-No.) 219-835-9 | 1 - 5 | Substance not classified as hazardous |
| HEXADECYL METHACRYLATE | (CAS-No.) 2495-27-4 (EC-No.) 219-672-3 | 0.1 - 5 | Substance not classified as hazardous |
| hydroxypropyl methacrylate | (CAS-No.) 27813-02-1 (EC-No.) 248-666-3 | 0.1 - 5 | Eye Irrit. 2, H319 Skin Sens. 1, H317 |
| Siloxanes and Silicones, di-Me, reaction products with silica | (CAS-No.) 67762-90-7 | 1 - 5 | Substance not classified as hazardous |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | (CAS-No.) 95175-93-2 | < 3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| Carbon black | (CAS-No.) 1333-86-4 (EC-No.) 215-609-9 | < 1 | Substance with a national occupational exposure limit |

| | | | |
|--------------------------------|---|--------|---|
| | | | |
| methyl methacrylate | (CAS-No.) 80-62-6 (EC-No.) 201-297-1 | < 1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Nota D |
| mequinol | (CAS-No.) 150-76-5 (EC-No.) 205-769-8 | < 1 | Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| toluene | (CAS-No.) 108-88-3 (EC-No.) 203-625-9 | < 1 | Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412 |
| naphthenic acids, copper salts | (CAS-No.) 1338-02-9 (EC-No.) 215-657-0 | < 0.25 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1 |

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

Specific Concentration Limits

| Ingredient | Identifier(s) | Specific Concentration Limits |
|----------------------|--|--------------------------------------|
| dodecyl methacrylate | (CAS-No.) 142-90-5 (EC-No.) 205-570-6 | (C >= 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. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If swallowed

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

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

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

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain). Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired 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

Exposure to extreme heat can give rise to thermal decomposition.

Hazardous Decomposition or By-Products

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

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

Avoid inhalation of thermal decomposition products. For industrial/occupational use only. Not for consumer sale or use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after

handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

7.2. Conditions for safe storage including any incompatibilities

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

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

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 |
|---------------------|----------------|---------------|---|-------------------------------|
| toluene | 108-88-3 | Ireland OELs | TWA(8 hours):192 mg/m3(50 ppm);TWA(8 hours):50 ppm(192 mg/m3);STEL(15 minutes):384 mg/m3(100 ppm);STEL(15 minutes):100 ppm(384 mg/m3) | SKIN |
| Kaolin | 1332-58-7 | Ireland OELs | TWA(as respirable dust)(8 hours):2 mg/m3 | |
| Carbon black | 1333-86-4 | Ireland OELs | TWA(inhalable fraction)(8 hours):3 mg/m3 | |
| mequinol | 150-76-5 | Ireland OELs | TWA(8 hours):5 mg/m3 | |
| methyl methacrylate | 80-62-6 | Ireland OELs | TWA(8 hours):50 ppm;TWA(8 hours):50 ppm;STEL(15 minutes):100 ppm;STEL(15 minutes):100 ppm | Respiratory/Dermal Sensitizer |

Ireland OELs : Ireland. OELs
 TWA: Time-Weighted-Average
 STEL: Short Term Exposure Limit
 CEIL: Ceiling

Biological limit values

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

Recommended monitoring procedures:Information on recommended monitoring procedures can be obtained from Indust. Inspect./Ministry (IE)

8.2. Exposure controls

8.2.1. Engineering controls

For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use with appropriate local exhaust ventilation sufficient to maintain levels of thermal decomposition products below their exposure guidelines. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:

- Safety glasses with side shields.
- Indirect vented goggles.

Applicable Norms/Standards

Use eye protection conforming to EN 166

Skin/hand protection

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

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

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

Applicable Norms/Standards

Use gloves tested to EN 374

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

Respiratory protection

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

- For those situations where the material might be exposed to extreme overheating due to misuse or equipment failure, use a positive pressure supplied-air respirator.
- 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 | Black |
| Odor | Mild Acrylate |
| Odour threshold | No data available. |
| Melting point/freezing point | Not applicable. |
| Boiling point/boiling range | No data available. |

| | |
|---|--|
| Flammability | Not applicable. |
| Flammable Limits(LEL) | <i>No data available.</i> |
| Flammable Limits(UEL) | <i>No data available.</i> |
| Flash point | > 93.3 °C [Test Method:Closed Cup] |
| Autoignition temperature | <i>No data available.</i> |
| Decomposition temperature | <i>No data available.</i> |
| pH | <i>substance/mixture is non-soluble (in water)</i> |
| Kinematic Viscosity | 38,462 mm ² /sec |
| Water solubility | Nil |
| Solubility- non-water | <i>No data available.</i> |
| Partition coefficient: n-octanol/water | <i>No data available.</i> |
| Vapour pressure | <i>No data available.</i> |
| Density | 1.04 g/ml |
| Relative density | 1.04 [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
Evaporation rate
Molecular weight

No data available.
No data available.
Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.
Sparks and/or flames.

10.5 Incompatible materials

Amines.
Strong acids.
Strong bases.
Strong oxidising agents.

10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

SECTION 11: Toxicological information

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

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Signs and Symptoms of Exposure

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

Inhalation

Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects (see below).

Skin contact

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

Eye contact

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

Ingestion

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

Additional Health Effects:

Reproductive/Developmental Toxicity:

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

Toxicological Data

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

Acute Toxicity

| Name | Route | Species | Value |
|-----------------------------|-------------------------|-------------------|--|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | Inhalation-Vapour(4 hr) | | No data available; calculated ATE >50 mg/l |
| 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 |
| CYCLOHEXYL METHACRYLATE | Dermal | Rat | LD50 > 2,000 mg/kg |
| CYCLOHEXYL METHACRYLATE | Ingestion | Rat | LD50 12,900 mg/kg |
| CYCLOHEXYL METHACRYLATE | Inhalation-Vapour | similar compounds | LC50 estimated to be 20 - 50 mg/l |
| dodecyl methacrylate | Ingestion | Rat | LD50 > 5,000 mg/kg |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | |
|---|--------------------------------|------------------------|------------------------------------|
| dodecyl methacrylate | Dermal | similar compounds | LD50 > 3,000 mg/kg |
| Kaolin | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Kaolin | Ingestion | Human | LD50 > 15,000 mg/kg |
| Acrylonitrile - butadiene polymer | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Acrylonitrile - butadiene polymer | Ingestion | Rat | LD50 > 30,000 mg/kg |
| Siloxanes and Silicones, di-Me, reaction products with silica | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation-Dust/Mist (4 hours) | Rat | LC50 > 0.691 mg/l |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Rat | LD50 > 5,110 mg/kg |
| MYRISTYL METHACRYLATE | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| MYRISTYL METHACRYLATE | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly[oxy(methyl-1,2-ethanediyl)], a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Poly[oxy(methyl-1,2-ethanediyl)], a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
| hydroxypropyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| hydroxypropyl methacrylate | Ingestion | Rat | LD50 > 11,200 mg/kg |
| HEXADECYL METHACRYLATE | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| HEXADECYL METHACRYLATE | Ingestion | Rat | LD50 > 5,000 mg/kg |
| Carbon black | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Carbon black | Ingestion | Rat | LD50 > 8,000 mg/kg |
| toluene | Dermal | Rat | LD50 12,000 mg/kg |
| toluene | Inhalation-Vapour (4 hours) | Rat | LC50 30 mg/l |
| toluene | Ingestion | Rat | LD50 5,550 mg/kg |
| methyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| methyl methacrylate | Inhalation-Vapour (4 hours) | Rat | LC50 29.8 mg/l |
| methyl methacrylate | Ingestion | Rat | LD50 7,900 mg/kg |
| naphthenic acids, copper salts | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| naphthenic acids, copper salts | Ingestion | similar compounds | LD50 > 300, < 2,000 mg/kg |
| mequinol | Dermal | Rat | LD50 > 2,000 mg/kg |
| mequinol | Ingestion | Rat | LD50 1,630 mg/kg |

ATE = acute toxicity estimate

Skin Corrosion/Irritation

| Name | Species | Value |
|---|------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Minimal irritation |
| CYCLOHEXYL METHACRYLATE | Rabbit | Minimal irritation |
| dodecyl methacrylate | similar compounds | Minimal irritation |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Kaolin | Professional judgement | No significant irritation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| MYRISTYL METHACRYLATE | Rabbit | Minimal irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Not available | Irritant |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | |
|--------------------------------|--------|---------------------------|
| hydroxypropyl methacrylate | Rabbit | Minimal irritation |
| HEXADECYL METHACRYLATE | Rabbit | Minimal irritation |
| Carbon black | Rabbit | No significant irritation |
| toluene | Rabbit | Irritant |
| methyl methacrylate | Rabbit | Irritant |
| naphthenic acids, copper salts | Rabbit | No significant irritation |
| mequinol | Rabbit | Mild irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| CYCLOHEXYL METHACRYLATE | In vitro data | Severe irritant |
| dodecyl methacrylate | similar compounds | No significant irritation |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Kaolin | Professional judgement | No significant irritation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| MYRISTYL METHACRYLATE | Rabbit | No significant irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Not available | Corrosive |
| hydroxypropyl methacrylate | Rabbit | Moderate irritant |
| HEXADECYL METHACRYLATE | Rabbit | No significant irritation |
| Carbon black | Rabbit | No significant irritation |
| toluene | Rabbit | Moderate irritant |
| methyl methacrylate | Rabbit | Mild irritant |
| naphthenic acids, copper salts | In vitro data | No significant irritation |
| mequinol | Rabbit | Severe irritant |

Skin Sensitisation

| Name | Species | Value |
|---|------------------------|--|
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| CYCLOHEXYL METHACRYLATE | Mouse | Sensitising |
| dodecyl methacrylate | Guinea pig | Not classified |
| Siloxanes and Silicones, di-Me, reaction products with silica | Human and animal | Not classified |
| MYRISTYL METHACRYLATE | Professional judgement | Some positive data exist, but the data are not sufficient for classification |
| hydroxypropyl methacrylate | Human and animal | Sensitising |
| HEXADECYL METHACRYLATE | Mouse | Some positive data exist, but the data are not sufficient for classification |
| toluene | Guinea pig | Not classified |
| methyl methacrylate | Human and animal | Sensitising |
| naphthenic acids, copper salts | Guinea | Not classified |

| | | |
|----------|------------|-------------|
| | pig | |
| mequinol | Guinea pig | Sensitising |

Respiratory Sensitisation

| Name | Species | Value |
|---------------------|---------|----------------|
| methyl methacrylate | Human | Not classified |

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 |
| CYCLOHEXYL METHACRYLATE | In Vitro | Not mutagenic |
| dodecyl methacrylate | In Vitro | Not mutagenic |
| dodecyl methacrylate | In vivo | Not mutagenic |
| Siloxanes and Silicones, di-Me, reaction products with silica | In Vitro | Not mutagenic |
| MYRISTYL 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 |
| Carbon black | In Vitro | Not mutagenic |
| Carbon black | In vivo | Some positive data exist, but the data are not sufficient for classification |
| toluene | In Vitro | Not mutagenic |
| toluene | In vivo | Not mutagenic |
| methyl methacrylate | In vivo | Not mutagenic |
| methyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| mequinol | In vivo | Not mutagenic |
| mequinol | In Vitro | Some positive data exist, but the data are not sufficient for classification |

Carcinogenicity

| Name | Route | Species | Value |
|---|----------------|-------------------------|--|
| Kaolin | Inhalation | Multiple animal species | Not carcinogenic |
| Siloxanes and Silicones, di-Me, reaction products with silica | Not specified. | Mouse | Some positive data exist, but the data are not sufficient for classification |
| Carbon black | Dermal | Mouse | Not carcinogenic |
| Carbon black | Ingestion | Mouse | Not carcinogenic |
| Carbon black | Inhalation | Rat | Carcinogenic. |
| toluene | Dermal | Mouse | Some positive data exist, but the data are not sufficient for classification |
| toluene | Ingestion | Rat | Some positive data exist, but the data are not sufficient for classification |
| toluene | Inhalation | Mouse | Some positive data exist, but the data are not sufficient for classification |
| methyl methacrylate | Ingestion | Rat | Not carcinogenic |
| methyl methacrylate | Inhalation | Human and animal | Not carcinogenic |
| 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 | 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 |
| CYCLOHEXYL METHACRYLATE | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| CYCLOHEXYL METHACRYLATE | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 15 weeks |
| CYCLOHEXYL METHACRYLATE | Ingestion | Not classified for development | Rabbit | NOAEL 500 mg/kg/day | during gestation |
| dodecyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| dodecyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 6 weeks |
| dodecyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | prematuring into lactation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for female reproduction | Rat | NOAEL 509 mg/kg/day | 1 generation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for male reproduction | Rat | NOAEL 497 mg/kg/day | 1 generation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Ingestion | Not classified for development | Rat | NOAEL 1,350 mg/kg/day | during organogenesis |
| 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 |
| toluene | Inhalation | Not classified for female reproduction | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | Not classified for male reproduction | Rat | NOAEL 2.3 mg/l | 1 generation |
| toluene | Ingestion | Toxic to development | Rat | LOAEL 520 mg/kg/day | during gestation |
| toluene | Inhalation | Toxic to development | Human | NOAEL Not available | poisoning and/or abuse |
| methyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 400 mg/kg/day | 2 generation |
| methyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 400 mg/kg/day | 2 generation |
| methyl methacrylate | Ingestion | Not classified for development | Rabbit | NOAEL 450 mg/kg/day | during gestation |
| methyl methacrylate | Inhalation | Not classified for development | Rat | NOAEL 8.3 mg/l | during organogenesis |
| 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 | during |

| | | | | | |
|--|--|--|--|-----------|-----------|
| | | | | mg/kg/day | gestation |
|--|--|--|--|-----------|-----------|

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|--|------------|-----------------------------------|--|-------------------------|---------------------|------------------------|
| CYCLOHEXYL METHACRYLATE | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| dodecyl methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Professional judgement | NOAEL Not available | |
| MYRISTYL METHACRYLATE | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Professional judgement | NOAEL not available | |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| hydroxypropyl methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| toluene | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| toluene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| toluene | Inhalation | immune system | Not classified | Mouse | NOAEL 0.004 mg/l | 3 hours |
| toluene | Ingestion | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | poisoning and/or abuse |
| methyl methacrylate | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |
| 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 |
|---|------------|---|--|---------|-----------------------|-----------------------|
| CYCLOHEXYL METHACRYLATE | Ingestion | endocrine system hematopoietic system liver kidney and/or bladder nervous system eyes | Not classified | Rat | NOAEL 1,000 mg/kg/day | 15 weeks |
| dodecyl methacrylate | Ingestion | hematopoietic system liver kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 6 weeks |
| Kaolin | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL NA | occupational exposure |
| Kaolin | Inhalation | pulmonary fibrosis | Not classified | Rat | NOAEL Not available | |
| Siloxanes and Silicones, di-Me, reaction products with silica | Inhalation | respiratory system silicosis | Not classified | Human | NOAEL Not available | occupational exposure |
| hydroxypropyl methacrylate | Inhalation | blood | Not classified | Rat | NOAEL 0.5 mg/l | 21 days |
| hydroxypropyl methacrylate | Ingestion | hematopoietic system heart endocrine system liver immune | Not classified | Rat | NOAEL 1,000 mg/kg/day | 41 days |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|---------------------|------------|---|--|-------------------------|-----------------------|------------------------|
| | | system nervous system kidney and/or bladder | | | | |
| Carbon black | Inhalation | pneumoconiosis | Not classified | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | auditory system nervous system eyes olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | poisoning and/or abuse |
| toluene | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 2.3 mg/l | 15 months |
| toluene | Inhalation | heart liver kidney and/or bladder | Not classified | Rat | NOAEL 11.3 mg/l | 15 weeks |
| toluene | Inhalation | endocrine system | Not classified | Rat | NOAEL 1.1 mg/l | 4 weeks |
| toluene | Inhalation | immune system | Not classified | Mouse | NOAEL Not available | 20 days |
| toluene | Inhalation | bone, teeth, nails, and/or hair | Not classified | Mouse | NOAEL 1.1 mg/l | 8 weeks |
| toluene | Inhalation | hematopoietic system vascular system | Not classified | Human | NOAEL Not available | occupational exposure |
| toluene | Inhalation | gastrointestinal tract | Not classified | Multiple animal species | NOAEL 11.3 mg/l | 15 weeks |
| toluene | Ingestion | nervous system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 625 mg/kg/day | 13 weeks |
| toluene | Ingestion | heart | Not classified | Rat | NOAEL 2,500 mg/kg/day | 13 weeks |
| toluene | Ingestion | liver kidney and/or bladder | Not classified | Multiple animal species | NOAEL 2,500 mg/kg/day | 13 weeks |
| toluene | Ingestion | hematopoietic system | Not classified | Mouse | NOAEL 600 mg/kg/day | 14 days |
| toluene | Ingestion | endocrine system | Not classified | Mouse | NOAEL 105 mg/kg/day | 28 days |
| toluene | Ingestion | immune system | Not classified | Mouse | NOAEL 105 mg/kg/day | 4 weeks |
| methyl methacrylate | Dermal | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Inhalation | olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Inhalation | kidney and/or bladder | Not classified | Multiple animal species | NOAEL Not available | 14 weeks |
| methyl methacrylate | Inhalation | liver | Not classified | Mouse | NOAEL 12.3 mg/l | 14 weeks |
| methyl methacrylate | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Ingestion | kidney and/or bladder heart skin endocrine system gastrointestinal tract hematopoietic system liver muscles nervous system respiratory system | Not classified | Rat | NOAEL 90.3 mg/kg/day | 2 years |
| 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 | Not classified | Rat | NOAEL 300 | 28 days |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|--|--|---|--|--|-----------|--|
| | | system hematopoietic system nervous system respiratory system | | | mg/kg/day | |
|--|--|---|--|--|-----------|--|

Aspiration Hazard

| Name | Value |
|---------|-------------------|
| toluene | Aspiration hazard |

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

11.2. Information on other hazards

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

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available.

| Material | CAS # | Organism | Type | Exposure | Test endpoint | Test result |
|-----------------------------------|-----------|------------------|---|------------|---------------|-----------------------------|
| 2-hydroxyethyl methacrylate | 868-77-9 | Turbot | Analogous Compound | 96 hours | LC50 | 833 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Fathead minnow | Experimental | 96 hours | LC50 | 227 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green algae | Experimental | 72 hours | EC50 | 710 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 48 hours | EC50 | 380 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green algae | Experimental | 72 hours | NOEC | 160 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 21 days | NOEC | 24.1 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | N/A | Experimental | 16 hours | EC0 | >3,000 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | N/A | Experimental | 18 hours | LD50 | <98 mg per kg of bodyweight |
| Acrylonitrile - butadiene polymer | 9003-18-3 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Kaolin | 1332-58-7 | Water flea | Experimental | 48 hours | LC50 | >1,100 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Activated sludge | Experimental | 30 minutes | EC50 | 900 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Green algae | Experimental | 72 hours | EC50 | 12.5 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Water flea | Experimental | 48 hours | EC50 | 33.9 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Zebra Fish | Experimental | 96 hours | LC50 | 590 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Zebra Fish | Estimated | 35 days | NOEC | 9.4 mg/l |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Green algae | Experimental | 72 hours | EC10 | 5.49 mg/l |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|---|------------|-------------------|---|----------|--------------------------------|--------------|
| dodecyl methacrylate | 142-90-5 | Zebra Fish | Analogous Compound | 96 hours | No tox obs at lmt of water sol | >100 |
| dodecyl methacrylate | 142-90-5 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | >100 |
| dodecyl methacrylate | 142-90-5 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | >100 |
| dodecyl methacrylate | 142-90-5 | Water flea | Experimental | 21 days | No tox obs at lmt of water sol | >100 |
| dodecyl methacrylate | 142-90-5 | Activated sludge | Analogous Compound | 3 hours | EC50 | >10,000 |
| HEXADECYL METHACRYLATE | 2495-27-4 | Activated sludge | Estimated | 3 hours | EC10 | >10,000 mg/l |
| HEXADECYL METHACRYLATE | 2495-27-4 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| HEXADECYL METHACRYLATE | 2495-27-4 | Zebra Fish | Estimated | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| HEXADECYL METHACRYLATE | 2495-27-4 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| HEXADECYL METHACRYLATE | 2495-27-4 | Water flea | Estimated | 21 days | No tox obs at lmt of water sol | >100 mg/l |
| 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 |
| MYRISTYL METHACRYLATE | 2549-53-3 | Activated sludge | Estimated | 3 hours | EC50 | >10,000 mg/l |
| MYRISTYL METHACRYLATE | 2549-53-3 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| MYRISTYL METHACRYLATE | 2549-53-3 | Zebra Fish | Estimated | 96 hours | No tox obs at lmt of water sol | >100 mg/l |
| MYRISTYL METHACRYLATE | 2549-53-3 | Green algae | Estimated | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| MYRISTYL METHACRYLATE | 2549-53-3 | Water flea | Estimated | 21 days | No tox obs at lmt of water sol | >100 mg/l |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | 95175-93-2 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 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 |
| Carbon black | 1333-86-4 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | >100 mg/l |
| Carbon black | 1333-86-4 | Zebra Fish | Experimental | 96 hours | No tox obs at lmt of water sol | >100 mg/l |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|--------------------------------|-----------|------------------|--------------|------------|--------------------------------|------------------------------|
| Carbon black | 1333-86-4 | Green algae | Experimental | 72 hours | No tox obs at lmt of water sol | 100 mg/l |
| Carbon black | 1333-86-4 | Activated sludge | Experimental | 3 hours | NOEC | >800 mg/l |
| methyl methacrylate | 80-62-6 | Green algae | Experimental | 72 hours | EC50 | >110 mg/l |
| methyl methacrylate | 80-62-6 | Rainbow trout | Experimental | 96 hours | LC50 | >79 mg/l |
| methyl methacrylate | 80-62-6 | Water flea | Experimental | 48 hours | EC50 | 69 mg/l |
| methyl methacrylate | 80-62-6 | Green algae | Experimental | 72 hours | NOEC | 110 mg/l |
| methyl methacrylate | 80-62-6 | Water flea | Experimental | 21 days | NOEC | 37 mg/l |
| methyl methacrylate | 80-62-6 | Activated sludge | Experimental | 30 minutes | EC20 | 150 mg/l |
| methyl methacrylate | 80-62-6 | Soil microbes | Experimental | 28 days | NOEC | >1,000 mg/kg (Dry Weight) |
| toluene | 108-88-3 | Coho Salmon | Experimental | 96 hours | LC50 | 5.5 mg/l |
| toluene | 108-88-3 | Grass Shrimp | Experimental | 96 hours | LC50 | 9.5 mg/l |
| toluene | 108-88-3 | Green algae | Experimental | 72 hours | EC50 | 12.5 mg/l |
| toluene | 108-88-3 | Leopard frog | Experimental | 9 days | LC50 | 0.39 mg/l |
| toluene | 108-88-3 | Pink Salmon | Experimental | 96 hours | LC50 | 6.41 mg/l |
| toluene | 108-88-3 | Water flea | Experimental | 48 hours | EC50 | 3.78 mg/l |
| toluene | 108-88-3 | Coho Salmon | Experimental | 40 days | NOEC | 1.39 mg/l |
| toluene | 108-88-3 | Diatom | Experimental | 72 hours | NOEC | 10 mg/l |
| toluene | 108-88-3 | Water flea | Experimental | 7 days | NOEC | 0.74 mg/l |
| toluene | 108-88-3 | Activated sludge | Experimental | 12 hours | IC50 | 292 mg/l |
| toluene | 108-88-3 | Bacteria | Experimental | 16 hours | NOEC | 29 mg/l |
| toluene | 108-88-3 | Bacteria | Experimental | 24 hours | EC50 | 84 mg/l |
| toluene | 108-88-3 | Redworm | Experimental | 28 days | LC50 | >150 mg per kg of bodyweight |
| toluene | 108-88-3 | Soil microbes | Experimental | 28 days | NOEC | <26 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Green algae | Estimated | 72 hours | ErC50 | 0.629 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 48 hours | EC50 | 0.0756 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Zebra Fish | Estimated | 96 hours | LC50 | 0.07 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Fathead minnow | Estimated | 32 days | EC10 | 0.0354 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Green algae | Estimated | N/A | NOEC | 0.132 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Sediment Worm | Estimated | 28 days | NOEC | 110 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 7 days | NOEC | 0.02 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Activated sludge | Estimated | N/A | EC50 | 42 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Barley | Estimated | 4 days | NOEC | 96 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Redworm | Estimated | 56 days | NOEC | 60 mg/kg (Dry Weight) |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|--------------------------------|-----------|---------------|-----------|---------|------|------------------------|
| naphthenic acids, copper salts | 1338-02-9 | Soil microbes | Estimated | 4 days | NOEC | 72 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Springtail | Estimated | 28 days | NOEC | 167 mg/kg (Dry Weight) |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|--|--------------|---|----------|-------------------------------|---------------------------------------|--------------------------------|
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Biodegradation | 28 days | BOD | 84 %BOD/CO D | OECD 301D - Closed bottle test |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Hydrolysis | | Hydrolytic half-life basic pH | 10.9 days (t 1/2) | OECD 111 Hydrolysis func of pH |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Kaolin | 1332-58-7 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Experimental Biodegradation | 28 days | CO2 evolution | 70-80 %CO2 evolution/THC O2 evolution | OECD 310 CO2 Headspace |
| dodecyl methacrylate | 142-90-5 | Experimental Biodegradation | 28 days | BOD | 88.5 %BOD/Th OD | OECD 301C - MITI test (I) |
| Polymeric Methacrylate | Trade Secret | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| HEXADECYL METHACRYLATE | 2495-27-4 | Estimated Biodegradation | 28 days | BOD | 87 %BOD/ThO D | OECD 301C - MITI test (I) |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Biodegradation | 28 days | BOD | 81 %BOD/ThO D | OECD 301C - MITI test (I) |
| MYRISTYL METHACRYLATE | 2549-53-3 | Estimated Biodegradation | 28 days | BOD | 88.5 %BOD/Th OD | |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| mequinol | 150-76-5 | Experimental Biodegradation - Anaerobic | 28 days | Percent degraded | >90 %degraded | |
| mequinol | 150-76-5 | Experimental Biodegradation | 28 days | BOD | 86 %BOD/ThO D | OECD 301C - MITI test (I) |
| Carbon black | 1333-86-4 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| methyl methacrylate | 80-62-6 | Experimental Biodegradation | 14 days | BOD | 94 %BOD/ThO D | OECD 301C - MITI test (I) |
| toluene | 108-88-3 | Experimental Biodegradation | 20 days | BOD | 80 %BOD/ThO D | APHA Std Meth Water/Wastewater |
| toluene | 108-88-3 | Experimental Photolysis | | Photolytic half-life (in air) | 5.2 days (t 1/2) | |
| naphthenic acids, copper salts | 1338-02-9 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|-----------------------------------|-----------|---|----------|------------|-------------|---------------------------------|
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Bioconcentration | | Log Kow | 0.42 | OECD 107 log Kow shke flask mtd |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Kaolin | 1332-58-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Experimental Bioconcentration | | Log Kow | 3.9 | |

3M™ Scotch-Weld™ Low Odor Acrylic Adhesive DP8710NS, Black, Part B

| | | | | | | |
|--|--------------|---|----------|------------------------|------|---------------------------------|
| dodecyl methacrylate | 142-90-5 | Analogous Compound BCF - Other | 56 hours | Bioaccumulation factor | 37 | OECD305-Bioconcentration |
| dodecyl methacrylate | 142-90-5 | Analogous Compound Bioconcentration | | Log Kow | 7.08 | OECD 117 log Kow HPLC method |
| Polymeric Methacrylate | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| HEXADECYL METHACRYLATE | 2495-27-4 | Estimated BCF - Other | 56 hours | Bioaccumulation factor | 37 | OECD305-Bioconcentration |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Bioconcentration | | Log Kow | 0.97 | EC A.8 Partition Coefficient |
| MYRISTYL METHACRYLATE | 2549-53-3 | Estimated BCF - Other | 56 hours | Bioaccumulation factor | 37 | OECD305-Bioconcentration |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| mequinol | 150-76-5 | Experimental Bioconcentration | | Log Kow | 1.58 | |
| Carbon black | 1333-86-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| methyl methacrylate | 80-62-6 | Experimental Bioconcentration | | Log Kow | 1.38 | OECD 107 log Kow shke flask mtd |
| toluene | 108-88-3 | Experimental BCF - Other | 72 hours | Bioaccumulation factor | 90 | |
| toluene | 108-88-3 | Experimental Bioconcentration | | Log Kow | 2.73 | |
| naphthenic acids, copper salts | 1338-02-9 | Analogous Compound BCF - Fish | 42 days | Bioaccumulation factor | ≤27 | OECD305-Bioconcentration |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|-----------------------------|------------|-------------------------------------|------------|-----------------|--------------------------------|
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Mobility in Soil | Koc | 42.7 l/kg | |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Estimated Mobility in Soil | Koc | 190 l/kg | Episuite™ |
| dodecyl methacrylate | 142-90-5 | Analogous Compound Mobility in Soil | Koc | 2040-51000 l/kg | OECD 106 Adsp-Desb Batch Equil |
| hydroxypropyl methacrylate | 27813-02-1 | Experimental Mobility in Soil | Koc | 10 l/kg | Episuite™ |
| mequinol | 150-76-5 | Experimental Mobility in Soil | Koc | 55.7 l/kg | |
| methyl methacrylate | 80-62-6 | Experimental Mobility in Soil | Koc | 8.7-72 l/kg | |
| toluene | 108-88-3 | Experimental Mobility in Soil | Koc | 37-160 l/kg | |

12.5. Results of the PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

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

EU waste code (product as sold)

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

SECTION 14: Transportation information

Not hazardous for transportation.

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

| | | | |
|--------------------------------|--------------------|--------------------|--------------------|
| Control Temperature | No data available. | No data available. | No data available. |
| Emergency Temperature | No data available. | No data available. | No data available. |
| ADR Classification Code | No data available. | No data available. | No data available. |
| IMDG Segregation Code | No data available. | No data available. | No data available. |

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

SECTION 15: Regulatory information

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

Carcinogenicity

| <u>Ingredient</u> | <u>CAS Nbr</u> | <u>Classification</u> | <u>Regulation</u> |
|---------------------|----------------|-------------------------------|---|
| Carbon black | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| methyl methacrylate | 80-62-6 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| toluene | 108-88-3 | Gr. 3: Not classifiable | International Agency for Research on Cancer |

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

The following substance(s) contained in this product is/are subject through Annex XVII of REACH regulation to restrictions on the manufacture, placing on the market and use when present in certain dangerous substances, mixtures and articles. Users of this product are required to comply with the restrictions placed upon it by the aforementioned provision.

| <u>Ingredient</u> | <u>CAS Nbr</u> |
|-------------------|----------------|
| toluene | 108-88-3 |

Restriction status: listed in REACH Annex XVII

Restricted uses: See Annex XVII to Regulation (EC) No 1907/2006 for Conditions of Restriction

Global inventory status

Contact 3M for more information.

DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

None

Regulation (EU) No 649/2012

No chemicals listed

15.2. Chemical Safety Assessment

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

SECTION 16: Other information

List of relevant H statements

| | |
|-------|--|
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361d | 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. |
| H412 | Harmful to aquatic life with long lasting effects. |

Revision information:

Label: CLP Percent Unknown information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 5: Fire - Special hazards information information was modified.
Section 5: Hazardous combustion products table information was modified.
Section 7: Conditions safe storage information was modified.
Section 7: Precautions safe handling information information was modified.
Section 8: Appropriate Engineering controls information information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 8: Personal Protection - Respiratory Information information was modified.
Section 8: Respiratory protection - recommended respirators information information was modified.
Section 10: Hazardous Decomposition Products information information was added.
Section 11: Acute Toxicity table information was modified.
Section 11: Aspiration Hazard Table information was added.
Section 11: Aspiration Hazard text information was deleted.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Reproductive/developmental effects information information was added.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: 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: Biocumulative potential information information was modified.
Section 15: Carcinogenicity information information was modified.
Section 15: Restrictions on manufacture ingredients information 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 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 Ireland MSDSs are available at www.3M.com