



Safety Data Sheet

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| | | | |
|---------------------------------------|-------------------|-------------------------|----------------|
| Document group: | 41-7494-2 | Version number: | 1.00 |
| Revision date: | 23/03/2021 | Supersedes date: | Initial issue. |
| Transportation version number: | 1.00 (23/03/2021) | | |

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™ Flexible Acrylic Adhesive DP8610NS, Black, Kit

Product Identification Numbers

62-2869-1445-2 62-2869-3630-7

7100232802 7100233359

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

Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

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

41-7445-4, 41-7463-7

TRANSPORTATION INFORMATION

62-2869-1445-2, 62-2869-3630-7

Not hazardous for transportation

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

Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) | GHS09 (Environment) |

Pictograms



Contains:

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

HAZARD STATEMENTS:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P273 Avoid release to the environment.
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.
P391 Collect spillage.

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.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

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

Revision information:

No revision information



Safety Data Sheet

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| | | | |
|------------------------|------------|-------------------------|----------------|
| Document group: | 41-7445-4 | Version number: | 1.00 |
| Revision date: | 23/03/2021 | Supersedes date: | Initial issue. |

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™ Flexible Acrylic Adhesive DP8610NS, 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 United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

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

CLASSIFICATION:

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

Hazardous to the Aquatic Environment (Chronic), Category 2 - Aquatic Chronic 2; H411

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) | GHS09 (Environment) |

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. |
| H411 | Toxic to aquatic life with long lasting effects. |

PRECAUTIONARY STATEMENTS

Prevention:

| | |
|-------|-----------------------------------|
| P273 | Avoid release to the environment. |
| P280E | Wear protective gloves. |

Response:

| | |
|-------------|--|
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |
| P391 | Collect spillage. |

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

<=125 ml Hazard statements

| | |
|------|--------------------------------------|
| 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. |
|-------------|--|

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

| | |
|--------|--|
| EUH205 | Contains epoxy constituents. May produce an allergic reaction. |
|--------|--|

Contains 34% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

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

Not applicable

3.2. Mixtures

| 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 |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | (CAS-No.) 13122-18-4 (EC-No.) 236-050-7 | 0.1 - 10 | Org. Perox. CD, H242 Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1 Skin Sens. 1B, H317 |

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

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

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

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

Skin contact

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

Eye contact

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

If swallowed

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

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

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

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

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

| <u>Substance</u> | <u>Condition</u> |
|------------------|--------------------|
| Carbon monoxide | During combustion. |
| Carbon dioxide. | During combustion. |

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Avoid release to the environment. 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

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 | White |
| Odor | Hydrocarbon |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |
| Boiling point/boiling range | >=65.6 °C |
| Flammability (solid, gas) | 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 | 18,520 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 Vapor Density | <i>No data available.</i> |

9.2. Other information

9.2.2 Other safety characteristics

| | |
|-------------------------------|---------------------------|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Molecular weight | <i>Not applicable.</i> |
| Percent volatile | <i>No data available.</i> |

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.
Sparks and/or flames.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the 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 | | Data not available or insufficient for classification | | | N/A |
| Catalyst. | Trade Secret | | Data not available or insufficient for classification | | | N/A |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Activated sludge | Experimental | 3 hours | NOEC | 26.3 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Green Algae | Experimental | | EC50 | 0.51 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Rainbow trout | Experimental | | LC50 | 7 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Water flea | Experimental | | EC50 | >100 mg/l |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Green Algae | Experimental | | NOEC | 0.125 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 % weight | 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 | |
| Catalyst. | Trade Secret | Estimated Photolysis | | Photolytic half-life (in air) | 1.48 days (t 1/2) | Non-standard method |
| Catalyst. | Trade Secret | Experimental Biodegradation | 28 days | CO2 evolution | 29.1 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Estimated Biodegradation | 28 | BOD | 14 % BOD/ThBOD | OECD 301C - MITI test (I) |

12.3 : Bioaccumulative potential

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

3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8610NS, Black, Part A

| | | | | | | |
|--|--------------|---|-----|------------------------|------|------------------------------------|
| Oxydipropyl dibenzoate | 27138-31-4 | Estimated Bioconcentration | | Bioaccumulation factor | 8 | Estimated: Bioconcentration factor |
| 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 | Non-standard method |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | Estimated Bioconcentration | | Bioaccumulation factor | 363 | Estimated: Bioconcentration factor |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|-----------|--------------|----------------------------|------------|-------------|----------------------|
| Catalyst. | Trade Secret | Estimated Mobility in Soil | Koc | <2 l/kg | ACD/Labs ChemSketch™ |

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

SECTION 14: Transportation information

Not hazardous for transportation.

| | Ground Transport (ADR) | Air Transport (IATA) | Marine Transport (IMDG) |
|--|------------------------|----------------------|-------------------------|
| | | | |

| | | | |
|--|--|--|--|
| 14.1 UN number | No data available. | No Data Available | No Data Available |
| 14.2 UN proper shipping name | No data available. | No Data Available | No Data Available |
| 14.3 Transport hazard class(es) | No data available. | No Data Available | No Data Available |
| 14.4 Packing group | No data available. | No Data Available | No Data Available |
| 14.5 Environmental hazards | No data available. | No Data Available | No Data Available |
| 14.6 Special precautions for user | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. | Please refer to the other sections of the SDS for further information. |
| 14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code | No data available. | No Data Available | No Data Available |
| Control Temperature | No data available. | No Data Available | No Data Available |
| Emergency Temperature | No data available. | No Data Available | No Data Available |
| ADR Tunnel Code | No data available. | Not Applicable | No Data Available |
| ADR Classification Code | No data available. | No Data Available | No Data Available |
| ADR Transport Category | No data available. | No Data Available | No Data Available |
| ADR Multiplier | No data available. | No Data Available | No Data Available |
| IMDG Segregation Code | No data available. | No Data Available | No Data Available |
| Transport not Permitted | 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

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. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

Revision information:

No revision information

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 United Kingdom MSDSs are available at www.3M.com/uk



Safety Data Sheet

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| | | | |
|------------------------|------------|-------------------------|------------|
| Document group: | 41-7463-7 | Version number: | 1.01 |
| Revision date: | 06/08/2021 | Supersedes date: | 23/03/2021 |

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

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

1.1. Product identifier

3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8610NS, 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 United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.
Telephone: +44 (0)1344 858 000
E Mail: tox.uk@mmm.com
Website: www.3M.com/uk

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

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

CLASSIFICATION:

Skin 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

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 | 5 - 20 |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | 202-943-5 | 1 - 15 |
| mequinol | 150-76-5 | 205-769-8 | < 0.2 |
| methyl methacrylate | 80-62-6 | 201-297-1 | < 0.2 |

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS

Prevention:

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.

10% of the mixture consists of components of unknown acute oral toxicity.

Contains 27% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Ingredient | Identifier(s) | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|----------|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | (CAS-No.) 7328-22-5 (EC-No.) 230-813-8 | 10 - 30 | Substance not classified as hazardous |
| Fillers | Trade Secret | 9 - 30 | Substance with a national occupational exposure limit |
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9 (EC-No.) 212-782-2 | 5 - 20 | Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D |
| CYCLOHEXYL METHACRYLATE | (CAS-No.) 101-43-9 (EC-No.) 202-943-5 | 1 - 15 | Skin Sens. 1, H317 |
| Acrylonitrile - butadiene polymer | (CAS-No.) 9003-18-3 | 1 - 15 | Substance not classified as hazardous |
| Acrylic copolymer | Trade Secret | 0.1 - 10 | Substance not classified as hazardous |
| Polymeric Methacrylate | Trade Secret | 0.1 - 10 | Substance not classified as hazardous |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonooxy)- | (CAS-No.) 95175-93-2 | < 3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 |
| benzyltributylammonium chloride | (CAS-No.) 23616-79-7 (EC-No.) 245-787-3 | <= 2 | Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 |
| Siloxanes and Silicones, di-Me, reaction products with silica | (CAS-No.) 67762-90-7 | <= 2 | Substance with a national occupational exposure limit |
| 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 | < 0.2 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Nota D |
| naphthenic acids, copper salts | (CAS-No.) 1338-02-9 (EC-No.) 215-657-0 | < 0.2 | Flam. Liq. 3, H226 Acute Tox. 4, H302 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1 |
| mequinol | (CAS-No.) 150-76-5 (EC-No.) 205-769-8 | < 0.2 | Acute Tox. 4, H302 Eye Irrit. 2, H319 Skin Sens. 1, H317 |

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

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

Skin contact

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

Eye contact

Immediately flush with large amounts of water. 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: 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

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide.
Hydrogen Chloride
Oxides of nitrogen.

Condition

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

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage including any incompatibilities

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

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

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 |
|---------------------|----------------|---------------|---|----------------------------|
| Carbon black | 1333-86-4 | UK HSC | TWA: 3.5 mg/m ³ ; STEL: 7 mg/m ³ | |
| Silicon dioxide | 67762-90-7 | UK HSC | TWA(as respirable dust):2.4 mg/m ³ ;TWA(as inhalable dust):6 mg/m ³ | |
| methyl methacrylate | 80-62-6 | UK HSC | TWA:208 mg/m ³ (50 ppm);STEL:416 mg/m ³ (100 ppm) | |
| Fillers | Trade Secret | UK HSC | TWA (as respirable dust): 2 mg/m ³ | |

UK HSC : UK Health and Safety Commission
 TWA: Time-Weighted-Average
 STEL: Short Term Exposure Limit

CEIL: Ceiling

Biological limit values

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

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

8.2. Exposure controls

8.2.1. Engineering controls

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:

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:

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

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

Applicable Norms/Standards

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Physical state | Liquid. |
| Specific Physical Form: | Paste |
| Colour | Black |
| Odor | Acrylate |
| Odour threshold | <i>No data available.</i> |
| Melting point/freezing point | <i>Not applicable.</i> |
| Boiling point/boiling range | <i>No data available.</i> |
| Flammability (solid, gas) | 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 | 54,000 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 | 1.11 g/ml |
| Relative density | 1.11 [Ref Std: WATER=1] |
| Relative Vapor Density | <i>No data available.</i> |

9.2. Other information**9.2.2 Other safety characteristics**

| | |
|-------------------------------|---------------------------|
| EU Volatile Organic Compounds | <i>No data available.</i> |
| Evaporation rate | <i>No data available.</i> |
| Molecular weight | <i>Not applicable.</i> |
| Percent volatile | <i>No data available.</i> |

SECTION 10: Stability and reactivity**10.1 Reactivity**

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation 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

None known.

Condition

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

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

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

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

Inhalation

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

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.

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 | 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 |
| Fillers | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Fillers | Ingestion | Human | LD50 > 15,000 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 |
| Acrylonitrile - butadiene polymer | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Acrylonitrile - butadiene polymer | Ingestion | Rat | LD50 > 30,000 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- | Dermal | similar | LD50 estimated to be > 5,000 mg/kg |

3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8610NS, Black, Part B

| | | | |
|---|--------------------------------|-------------------|---------------------------|
| propenyl)-.w.-(phosphonoxy)- | | health hazards | |
| 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 |
| Carbon black | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Carbon black | Ingestion | Rat | LD50 > 8,000 mg/kg |
| naphthenic acids, copper salts | Dermal | similar compounds | LD50 > 2,000 mg/kg |
| naphthenic acids, copper salts | Ingestion | similar compounds | LD50 > 300, < 2,000 mg/kg |
| methyl methacrylate | Dermal | Rabbit | LD50 > 5,000 mg/kg |
| methyl methacrylate | Inhalation-Vapour (4 hours) | Rat | LC50 29 mg/l |
| methyl methacrylate | Ingestion | Rat | LD50 7,900 mg/kg |
| 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 |
| Fillers | Professional judgement | No significant irritation |
| CYCLOHEXYL METHACRYLATE | Rabbit | Minimal irritation |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Not available | Irritant |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| Carbon black | Rabbit | No significant irritation |
| naphthenic acids, copper salts | Rabbit | No significant irritation |
| methyl methacrylate | Human and animal | Mild irritant |
| mequinol | Rabbit | Mild irritant |

Serious Eye Damage/Irritation

| Name | Species | Value |
|--|------------------------|---------------------------|
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| Fillers | Professional judgement | No significant irritation |
| CYCLOHEXYL METHACRYLATE | In vitro data | Mild irritant |
| Acrylonitrile - butadiene polymer | Professional judgement | No significant irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | Not available | Corrosive |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| Carbon black | Rabbit | No significant irritation |

| | | |
|--------------------------------|---------------|---------------------------|
| naphthenic acids, copper salts | In vitro data | No significant irritation |
| methyl methacrylate | Rabbit | Moderate irritant |
| mequinol | Rabbit | Severe irritant |

Skin Sensitisation

| Name | Species | Value |
|---|------------------|----------------|
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| CYCLOHEXYL METHACRYLATE | Guinea pig | Sensitising |
| Siloxanes and Silicones, di-Me, reaction products with silica | Human and animal | Not classified |
| naphthenic acids, copper salts | Guinea pig | Not classified |
| methyl methacrylate | Human and animal | Sensitising |
| 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 |
| Siloxanes and Silicones, di-Me, reaction products with silica | In Vitro | Not mutagenic |
| Carbon black | In Vitro | Not mutagenic |
| Carbon black | In vivo | Some positive data exist, but the data are not sufficient for classification |
| 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 |
|---|----------------|-------------------------|--|
| Fillers | 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. |
| 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 |
| 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 |
| methyl methacrylate | Inhalation | Not classified for male reproduction | Mouse | NOAEL 36.9 mg/l | |
| methyl methacrylate | Inhalation | Not classified for development | Rat | NOAEL 8.3 mg/l | during organogenesis |
| mequinol | Ingestion | Not classified for female reproduction | Rat | NOAEL 300 mg/kg/day | prematuring into lactation |
| mequinol | Ingestion | Not classified for male reproduction | Rat | NOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | Not classified for development | Rat | NOAEL 200 mg/kg/day | during gestation |

Target Organ(s)

Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|------------|------------------------|--|------------------------|---------------------|-----------------------|
| 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 | |
| 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 |
|---|------------|--------------------------------|--|---------|---------------------|-----------------------|
| Fillers | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL NA | occupational exposure |
| Fillers | 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 |
| Carbon black | Inhalation | pneumoconiosis | Not classified | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Dermal | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |

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| | | | | | | |
|---------------------|------------|---|--|-------------------------|---------------------|-----------------------|
| 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 |
| mequinol | Ingestion | gastrointestinal tract | Not classified | Rat | LOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | liver immune system | Not classified | Rat | NOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 300 mg/kg/day | 28 days |
| mequinol | Ingestion | heart endocrine system hematopoietic system nervous system respiratory system | Not classified | Rat | NOAEL 300 mg/kg/day | 28 days |

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 |
|--|-----------|---------------|--------------|----------|---------------|-------------|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Green algae | Experimental | 72 hours | EC50 | 95 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Rainbow trout | Experimental | 96 hours | LC50 | 22.36 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Water flea | Experimental | 48 hours | EC50 | 94.7 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Water flea | Estimated | 21 days | EC10 | 7.51 mg/l |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Green algae | Experimental | 72 hours | EC10 | 34 mg/l |

3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8610NS, Black, Part B

| | | | | | | |
|---|--------------|-------------------|---|------------|------|-----------------------------|
| butoxyethoxy)ethyl ester | | | | | | |
| Fillers | Trade Secret | Water flea | Experimental | 48 hours | LC50 | >1,100 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Turbot | Analogous Compound | 96 hours | LC50 | 833 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Fathead minnow | Experimental | 96 hours | LC50 | 227 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green algae | Experimental | 72 hours | EC50 | 710 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 48 hours | EC50 | 380 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Green Algae | Experimental | 72 hours | NOEC | 160 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | Water flea | Experimental | 21 days | NOEC | 24.1 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | | Experimental | 16 hours | EC0 | >3,000 mg/l |
| 2-hydroxyethyl methacrylate | 868-77-9 | | Experimental | 18 hours | LD50 | <98 mg per kg of bodyweight |
| Acrylonitrile - butadiene polymer | 9003-18-3 | | Data not available or insufficient for classification | | | N/A |
| 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 |
| Polymeric Methacrylate | Trade Secret | | Data not available or insufficient for classification | | | 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 |
| benzyltributylammonium chloride | 23616-79-7 | | Data not available or insufficient for classification | | | N/A |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | | Data not available or insufficient for classification | | | N/A |
| Carbon black | 1333-86-4 | Activated sludge | Experimental | 3 hours | EC50 | >=100 mg/l |
| Carbon black | 1333-86-4 | | Data not available or insufficient for classification | | | 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 | EC50 | 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 |

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| | | | | | | |
|--------------------------------|-----------|-------------------------------|--------------|------------|------|---------------------------|
| naphthenic acids, copper salts | 1338-02-9 | Green Algae | Estimated | 72 hours | EC50 | 0.629 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 48 hours | EC50 | 0.0756 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Zebra Fish | Estimated | 96 hours | LC50 | 0.0702 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Algae or other aquatic plants | Estimated | hours | NOEC | 0.132 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Fathead minnow | Estimated | 32 days | EC10 | 0.0354 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 21 days | NOEC | 0.0756 mg/l |
| 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) |

12.2. Persistence and degradability

| Material | CAS Nbr | Test type | Duration | Study Type | Test result | Protocol |
|---|--------------|-------------------------------|----------|------------------------------|---------------------------------------|-----------------------------------|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Experimental Biodegradation | 28 days | CO2 evolution | 91 %CO2 evolution/THC O2 evolution | OECD 301B - Modified sturm or CO2 |
| Fillers | Trade Secret | Data not availbl-insufficient | | | N/A | |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Hydrolysis | | Hydrolytic half-life (pH 10) | 10.9 days (t 1/2) | OECD 111 Hydrolysis func of pH |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Biodegradation | 28 days | BOD | 84 %BOD/CO D | OECD 301D - Closed bottle test |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not availbl-insufficient | | | N/A | |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Experimental Biodegradation | 28 days | CO2 evolution | 70-80 %CO2 evolution/THC O2 evolution | OECD 310 CO2 Headspace |
| Polymeric Methacrylate | Trade Secret | Data not availbl-insufficient | | | N/A | |
| Poly[oxy(methyl-1,2-ethanedyl)], .a.-(2-methyl-1-oxo-2-propenyl)-.w.-(phosphonoxy)- | 95175-93-2 | Data not availbl-insufficient | | | N/A | |
| benzyltributylammonium chloride | 23616-79-7 | Estimated Biodegradation | 28 days | BOD | 3.9 % BOD/ThBOD | OECD 301C - MITI test (I) |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | Data not availbl-insufficient | | | N/A | |
| Carbon black | 1333-86-4 | Data not availbl-insufficient | | | N/A | |
| mequinol | 150-76-5 | Experimental Biodegradation | 28 days | BOD | 86 % BOD/ThBOD | OECD 301C - MITI test (I) |
| naphthenic acids, copper salts | 1338-02-9 | Data not availbl-insufficient | | | N/A | |
| methyl methacrylate | 80-62-6 | Experimental Biodegradation | 14 days | BOD | 94 % BOD/ThBOD | OECD 301C - MITI test (I) |

12.3 : Bioaccumulative potential

| Material | Cas No. | Test type | Duration | Study Type | Test result | Protocol |
|---|--------------|---|----------|------------------------|-------------|--|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Experimental Bioconcentration | | Log Kow | 3.1 | Non-standard method |
| Fillers | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Bioconcentration | | Log Kow | 0.42 | OECD 107 log Kow shke flsk mtd |
| Acrylonitrile - butadiene polymer | 9003-18-3 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | Experimental Bioconcentration | | Log Kow | 3.9 | Non-standard method |
| Polymeric Methacrylate | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Poly[oxy(methyl-1,2-ethanedyl)], .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 |
| benzyltributylammonium chloride | 23616-79-7 | Estimated Bioconcentration | | Bioaccumulation factor | 31.7 | Estimated: Bioconcentration factor |
| 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 |
| Carbon black | 1333-86-4 | 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 | Non-standard method |
| naphthenic acids, copper salts | 1338-02-9 | Estimated BCF-Carp | 42 days | Bioaccumulation factor | ≤27 | OECD 305E - Bioaccumulation flow-through fish test |
| methyl methacrylate | 80-62-6 | Experimental Bioconcentration | | Log Kow | 1.38 | OECD 107 log Kow shke flsk mtd |

12.4. Mobility in soil

| Material | Cas No. | Test type | Study Type | Test result | Protocol |
|--|-----------|-------------------------------|------------|-------------|-----------|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | 7328-22-5 | Estimated Mobility in Soil | Koc | 80 l/kg | Episuite™ |
| 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™ |
| methyl methacrylate | 80-62-6 | Experimental Mobility in Soil | Koc | 8 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)

080411* Adhesive and sealant sludges containing organic solvents or other dangerous substances

SECTION 14: Transportation information

Not hazardous for transportation.

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

| | | | |
|--------------------------------|--------------------|--------------------|--------------------|
| Emergency Temperature | No data available. | No data available. | No data available. |
| ADR Tunnel Code | No data available. | Not applicable. | No data available. |
| ADR Classification Code | No data available. | No data available. | No data available. |
| ADR Transport Category | No data available. | No data available. | No data available. |
| ADR Multiplier | 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 |

Global inventory status

Contact 3M for more information.

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. |
| 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. |
| 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.
Label: CLP Precautionary - Disposal information was deleted.
Section 3: Composition/ Information of ingredients table information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 09: Color information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Bioaccumulative potential information information was modified.
Section 14 Classification Code – Regulation Data information was modified.
Section 14 Control Temperature – Regulation Data information was modified.
Section 14 Emergency Temperature – Regulation Data information was modified.
Section 14 Hazard Class + Sub Risk – Regulation Data information was modified.
Section 14 Multiplier – Regulation Data information was modified.
Section 14 Other Dangerous Goods – Regulation Data information was modified.
Section 14 Packing Group – Regulation Data information was modified.
Section 14 Proper Shipping Name information was modified.
Section 14 Segregation – Regulation Data information was modified.
Section 14 Transport Category – Regulation Data information was modified.
Section 14 Transport in bulk – Regulation Data information was modified.
Section 14 Transport Not Permitted – Main Heading information was deleted.
Section 14 Transport Not Permitted – Regulation Data information was deleted.
Section 14 Tunnel Code – Regulation Data information was modified.
Section 14 UN Number Column data information was modified.
Section 15: Regulations - Inventories information was added.

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

3M United Kingdom MSDSs are available at www.3M.com/uk