# Safety Data Sheet

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| | | | |
|---|---|---|---|
| **Document group:** | 42-2222-0 | **Version number:** | 3.03 |
| **Revision date:** | 10/07/2026 | **Supersedes date:** | 03/07/2026 |
| **Transportation version number:** | | | |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

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

**1.1. Product identifier**
3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8625NS, Black, Kit

**Product Identification Numbers**
62-2872-1445-6 62-2872-3630-1

7100244478 7100244477

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

**Identified uses**
Product

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

**Address:** 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2
**Telephone:** +353 1 280 3555
**E Mail:** ner-productstewardship@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:**

42-2212-1, 42-2216-2

## 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 1 - Eye Dam. 1; H318
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**
DANGER.

**Symbols**
GHS05 (Corrosion) |GHS07 (Exclamation mark) |

**Pictograms**



Contains:
2-hydroxyethyl methacrylate; benzyltributylammonium chloride; CYCLOHEXYL METHACRYLATE; DIETHYLENE GLYCOL, MONOMETHACRYLATE; 2,3-epoxypropyl methacrylate; methyl methacrylate; Phosphorus-containing methacrylate monomer; Tert-butyl 3,5,5-trimethylperoxyhexanoate.

**HAZARD STATEMENTS:**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

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

**Response:**

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

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:** | 42-2212-1 | **Version number:** | 4.00 |
| **Revision date:** | 02/07/2026 | **Supersedes date:** | 15/07/2024 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

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

**1.1. Product identifier**
3M™ Scotch-Weld™ Flexible Acrylic Adh DP8625NS, Black, Part A

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

**Identified uses**
Product

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

| | |
|---|---|
| **Address:** | 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2 |
| **Telephone:** | +353 1 280 3555 |
| **E Mail:** | ner-productstewardship@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:**
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 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 | Identifier(s) | EC No. | % by Wt |
|---|---|---|---|
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | 13122-18-4 | 236-050-7 | 0.1 - 10 |

**HAZARD STATEMENTS:**

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

**PRECAUTIONARY STATEMENTS**

**Prevention:**

| | |
|---|---|
| P280 | Wear protective gloves and eye protection. |

**Response:**

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

12% of the mixture consists of components of unknown acute oral toxicity.

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

**2.3. Other hazards**

None known.
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- | 45 - 65 | Aquatic Chronic 3, H412 |

| | | | |
|---|---|---|---|
| | 31-4<br>(EC-No.) 248-258-5 | | |
| Acrylate Polymer | Trade Secret | 10 - 30 | Substance not classified as hazardous |
| di-aryl heterocyclic compound | Trade Secret | 1 - 20 | Acute Tox. 4, H302<br>Eye Irrit. 2, H319 |
| Benzoate Esters | (CAS-No.) 32686-95-6 | < 13 | Substance not classified as hazardous |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | (CAS-No.) 13122-18-4<br>(EC-No.) 236-050-7 | 0.1 - 10 | Org. Perox. CD, H242<br>Skin Sens. 1B, H317<br>Aquatic Acute 1, H400,M=1<br>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**
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:
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 | Condition |
|---|---|

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

**6.2. Environmental precautions**
Avoid release to the environment.

**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**

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

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

**8.2. Exposure controls**

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

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Safety glasses with side shields.
Indirect vented goggles.

*Applicable Norms/Standards*
Use eye protection conforming to EN 16321

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

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

*Applicable Norms/Standards*
Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates

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** | White |
| **Odor** | Mild Hydrocarbon |
| **Odour threshold** | *No data available.* |
| **Melting point/freezing point** | *Not applicable.* |
| **Boiling point/boiling range** | >=65.6 ºC |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Flash point** | > 93.3 ºC [*Test Method:*Closed Cup] |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **pH** | *substance/mixture is non-soluble (in water)* |
| **Kinematic Viscosity** | 18,519 mm²/sec |
| **Water solubility** | Nil |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Density** | 1.08 g/ml |
| **Relative density** | 1.08 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | *No data available.* |
| **Particle Characteristics** | *Not applicable.* |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Evaporation rate** | *No data available.* |
| **Molecular weight** | *Not applicable.* |
| **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**
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

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

**Ingestion**
Harmful if swallowed.
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 | Ingestion | | No data available; calculated ATE >300 - =2,000 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 |
| Acrylate Polymer | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Acrylate Polymer | Ingestion | Rat | LD50 > 5,000 mg/kg |
| di-aryl heterocyclic compound | Ingestion | Rat | LD50 >300, <2000 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 |
| di-aryl heterocyclic compound | In vitro data | 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 |
| di-aryl heterocyclic compound | In vitro data | Severe irritant |
| Tert-butyl 3,5,5-trimethylperoxyhexanoate | Rabbit | No significant irritation |

**Skin Sensitisation**

| Name | Species | Value |
|---|---|---|
| Oxydipropyl dibenzoate | Guinea pig | Not classified |
| di-aryl heterocyclic compound | Guinea pig | 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 |
| di-aryl heterocyclic compound | 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 |
|---|---|---|---|---|---|---|
| di-aryl heterocyclic compound | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for | similar health | NOAEL Not available | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | classification | hazards | | |

**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 | Identifier(s) | 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 |
| Acrylate Polymer | Trade Secret | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| di-aryl heterocyclic compound | Trade Secret | Chinese rare minnow | Experimental | 96 hours | LC50 | >105 mg/l |
| di-aryl heterocyclic compound | Trade Secret | Green algae | Experimental | 72 hours | ErC50 | >50 mg/l |
| di-aryl heterocyclic compound | Trade Secret | Water flea | Experimental | 48 hours | EC50 | >50 mg/l |
| Benzoate Esters | 32686-95-6 | Fathead minnow | Analogous Compound | 96 hours | LC50 | 3.7 mg/l |
| Benzoate Esters | 32686-95-6 | Green algae | Analogous Compound | 72 hours | EC50 | 4.9 mg/l |
| Benzoate Esters | 32686-95-6 | Water flea | Analogous Compound | 48 hours | EC50 | 19.31 mg/l |
| 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 | Identifier(s) | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Oxydipropyl dibenzoate | 27138-31-4 | Experimental Biodegradation | 28 days | CO2 evolution | 85 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Acrylate Polymer | Trade Secret | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| di-aryl heterocyclic compound | Trade Secret | Experimental Biodegradation | 28 days | BOD | 21.46 %BOD/ThOD | OECD 301F - Manometric respirometry |
| Benzoate Esters | 32686-95-6 | Analogous Compound Biodegradation | 28 days | CO2 evolution | 85 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| 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 | Identifier(s) | Test type | Duration | Study Type | Test result | Protocol |
|---|---|---|---|---|---|---|
| Oxydipropyl dibenzoate | 27138-31-4 | Modeled Bioconcentration | | Bioaccumulation factor | 8 | Catalogic™ |
| Acrylate Polymer | Trade Secret | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| di-aryl heterocyclic compound | Trade Secret | Experimental Bioconcentration | | Log Kow | <0.3 | OECD 117 log Kow HPLC method |
| Benzoate Esters | 32686-95-6 | Modeled BCF - Fish | | Bioaccumulation factor | 3.6 | Catalogic™ |
| 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 | Identifier(s) | Test type | Study Type | Test result | Protocol |
|---|---|---|---|---|---|
| di-aryl heterocyclic compound | Trade Secret | Estimated Mobility in Soil | Koc | <270 l/kg | ACD/Labs ChemSketch™ |
| Benzoate Esters | 32686-95-6 | Modeled Mobility in Soil | Koc | 290 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
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**

| | |
|---|---|
| H242 | Heating may cause a fire. |
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |

| | |
|---|---|
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

**Revision information:**
EU Section 14 - Table Data information was added.
EU Section 14 - Table Headers information was added.
Section 1: Address information was modified.
Section 1: E-mail address information was modified.
Section 1: Product use information information was modified.
Section 02: CLP Physical and Health Hazard Statements information was modified.
Label: CLP Classification information was modified.
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 04: First Aid - Symptoms and Effects (CLP) information was modified.
Section 4: First aid for eye contact information information was modified.
Section 6: Accidental release personal information information was modified.
Section 7: Conditions safe storage information was modified.
Section 8: Eye protection information information was deleted.
Section 8: Eye/face protection information information was added.
Section 08: Personal Protection - Apron Statement information was added.
Section 8: Personal Protection - Eye information information was added.
Section 8: Personal Protection - Respiratory Information information was added.
Section 8: Personal Protection - Skin/body information information was deleted.
Section 8: Respiratory protection - recommended respirators guide information was added.
Section 8: Respiratory protection - recommended respirators information information was added.
Section 8: Respiratory protection information information was deleted.
Section 8: Skin protection - protective clothing information information was deleted.
Section 9: Vapour pressure value information was added.
Section 9: Vapour pressure value information was deleted.
Section 11: Acute Toxicity table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Health Effects - Eye information information was modified.
Section 11: Health Effects - Ingestion information information was modified.
Section 11: Health Effects - Inhalation information information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12:Bioccumulative potential information information was modified.
Section 13: EU waste code (product as sold) information information was modified.
Section 14 Classification Code – Main Heading information was deleted.
Section 14 Classification Code – Regulation Data information was deleted.
Section 14 Control Temperature – Main Heading information was deleted.
Section 14 Control Temperature – Regulation Data information was deleted.
Section 14 Emergency Temperature – Main Heading information was deleted.
Section 14 Emergency Temperature – Regulation Data information was deleted.
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.
Section 14 Other Dangerous Goods – Main Heading information was deleted.

Section 14 Other Dangerous Goods – Regulation Data information was deleted.
Section 14 Packing Group – Main Heading information was deleted.
Section 14 Packing Group – Regulation Data information was deleted.
Section 14 Proper Shipping Name information was deleted.
Section 14 Regulations – Main Headings information was deleted.
Section 14 Segregation – Regulation Data information was deleted.
Section 14 Segregation Code – Main Heading information was deleted.
Section 14 Special Precautions – Main Heading information was deleted.
Section 14 Special Precautions – Regulation Data information was deleted.
Section 14 Transport in bulk – Regulation Data information was deleted.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 UN Number Column data information was deleted.
Section 14 UN Number information was deleted.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.

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

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

# Safety Data Sheet

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| | | | |
|---|---|---|---|
| **Document group:** | 42-2216-2 | **Version number:** | 4.00 |
| **Revision date:** | 10/07/2026 | **Supersedes date:** | 25/11/2025 |

This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006) as amended by Regulation (EU) 2020/878

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

**1.1. Product identifier**
3M™ Scotch-Weld™ Flexible Acrylic Adhesive DP8625NS, Black, Part B

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

**Identified uses**
Product

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

| | |
|---|---|
| **Address:** | 3M Ireland Limited, 70 SIR JOHN ROGERSON'S QUAY, D02R296 DUBLIN 2 |
| **Telephone:** | +353 1 280 3555 |
| **E Mail:** | ner-productstewardship@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 1 - Eye Dam. 1; H318
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**
DANGER.

**Symbols**
GHS05 (Corrosion) |GHS07 (Exclamation mark) |

**Pictograms**



**Ingredients:**

| Ingredient | Identifier(s) | EC No. | % by Wt |
|---|---|---|---|
| 2-hydroxyethyl methacrylate | 868-77-9 | 212-782-2 | 4.8 - 15 |
| CYCLOHEXYL METHACRYLATE | 101-43-9 | 202-943-5 | 4.9 - 15 |
| Phosphate methacrylate | 1627542-04-4 | | < 3 |
| benzyltributylammonium chloride | 23616-79-7 | 245-787-3 | < 2 |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | | < 0.4 |
| methyl methacrylate | 80-62-6 | 201-297-1 | < 0.2 |
| 2,3-epoxypropyl methacrylate | 106-91-2 | 203-441-9 | <= 0.015 |

**HAZARD STATEMENTS:**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

**PRECAUTIONARY STATEMENTS**

**Prevention:**

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

**Response:**

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

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

**<=125 ml Hazard statements**

| | |
|---|---|
| H318 | Causes serious eye damage. |
| H317 | May cause an allergic skin reaction. |
| H412 | Harmful to aquatic life with long lasting effects. |

**<=125 ml Precautionary statements**

**Prevention:**

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

**Response:**

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

25% of the mixture consists of components of unknown acute oral toxicity.

Contains 32% 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-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | (CAS-No.) 7328-22-5<br>(EC-No.) 230-813-8 | 10 - 30 | Substance not classified as hazardous |
| Fillers | (CAS-No.) 1332-58-7<br>(EC-No.) 310-194-1 | 7 - 30 | Substance with a national occupational exposure limit |
| 2-hydroxyethyl methacrylate | (CAS-No.) 868-77-9<br>(EC-No.) 212-782-2 | 4.8 - 15 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Nota D |
| CYCLOHEXYL METHACRYLATE | (CAS-No.) 101-43-9<br>(EC-No.) 202-943-5 | 4.9 - 15 | Eye Irrit. 2, H319<br>STOT SE 3, H335<br>Skin Sens. 1, H317 |
| Proprietary polymer | Trade Secret | 4 - 15 | Substance not classified as hazardous |
| Butadiene-Acrylonitrile 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 |
| Siloxanes and Silicones, di-Me, reaction products with silica | (CAS-No.) 67762-90-7 | 1 - 5 | Substance not classified as hazardous |
| Phosphate methacrylate | (CAS-No.) 1627542-04-4 | < 3 | Eye Dam. 1, H318<br>Skin Sens. 1, H317 |

| | | | |
|---|---|---|---|
| benzyltributylammonium chloride | (CAS-No.) 23616-79-7<br>(EC-No.) 245-787-3 | < 2 | Acute Tox. 4, H302<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>STOT SE 3, H335 |
| Carbon black | (CAS-No.) 1333-86-4<br>(EC-No.) 215-609-9 | <= 0.9 | Substance with a national occupational exposure limit |
| Diethylene Glycol, Monomethacrylate | (CAS-No.) 2351-43-1 | < 0.4 | Eye Irrit. 2, H319<br>Skin Sens. 1, H317 |
| naphthenic acids, copper salts | (CAS-No.) 1338-02-9<br>(EC-No.) 215-657-0 | < 0.25 | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Aquatic Acute 1, H400,M=10<br>Aquatic Chronic 1, H410,M=1 |
| Quartz | (CAS-No.) 14808-60-7<br>(EC-No.) 238-878-4 | < 0.2 | STOT RE 1, H372 |
| methyl methacrylate | (CAS-No.) 80-62-6<br>(EC-No.) 201-297-1 | < 0.2 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>STOT SE 3, H335<br>Nota D |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | (CAS-No.) 26741-53-7<br>(EC-No.) 247-952-5 | <= 0.15 | Aquatic Chronic 1, H410,M=1 |
| 2,3-epoxypropyl methacrylate | (CAS-No.) 106-91-2<br>(EC-No.) 203-441-9 | <= 0.015 | Acute Tox. 3, H311<br>Acute Tox. 4, H302<br>Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Muta. 2, H341<br>Carc. 1B, H350<br>Repr. 1B, H360F<br>STOT SE 3, H335<br>STOT RE 1, H372<br>Nota D<br>Skin Sens. 1A, H317 |
| 1,4-dihydroxybenzene | (CAS-No.) 123-31-9<br>(EC-No.) 204-617-8 | <= 0.015 | Acute Tox. 4, H302<br>Eye Dam. 1, H318<br>Skin Sens. 1B, H317<br>Muta. 2, H341<br>Carc. 2, H351<br>Aquatic Acute 1, H400,M=10<br>Aquatic Chronic 1, H410,M=1 |

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

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

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

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

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

**Eye contact**
Immediately flush with large amounts of water for at least 15 minutes. Remove contact lenses if easy to do. Continue rinsing. Immediately get medical attention.

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

**4.2. Most important symptoms and effects, both acute and delayed**
The most important symptoms and effects based on the CLP classification include:
Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching). Serious damage to the eyes (corneal cloudiness, severe pain, tearing, ulcerations, and significantly impaired or loss of vision).

**4.3. Indication of any immediate medical attention and special treatment required**
Not applicable

## SECTION 5: Fire-fighting measures

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

**5.2. Special hazards arising from the substance or mixture**
None inherent in this product.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Carbon monoxide | During combustion. |
| Carbon dioxide. | During combustion. |
| Hydrogen Chloride | During combustion. |
| Oxides of nitrogen. | During combustion. |

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

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Use personal protective equipment based on the results of an exposure assessment. Refer to Section 8 for PPE recommendations. If anticipated exposure resulting from an accidental release exceeds the protective capabilities of the PPE listed in Section 8, or are unknown, select PPE that offers an appropriate level of protection. Consider the physical and chemical hazards of the material when doing so. Examples of PPE ensembles for emergency response could include wearing bunker gear for a release of flammable material; wearing chemical protective clothing if the spilled material is a corrosive, a sensitizer, a significant dermal irritant, or can be

absorbed through the skin; or donning a positive pressure supplied-air respirator for chemicals with inhalation hazards. For information regarding physical and health hazards, refer to sections 2 and 11 of the SDS.

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

**6.3. Methods and material for containment and cleaning up**
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 | Identifier(s) | Agency | Limit type | Additional comments |
|---|---|---|---|---|
| 1,4-dihydroxybenzene | 123-31-9 | Ireland OELs | TWA(8 hours):0.5 mg/m3 | Resp/Dermal sensitizer |
| Fillers | 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 | |
| Silica, crystalline, respirable dust (Cristobalite, Quartz, Tridymite, Tripoli) | 14808-60-7 | Ireland OELs | TWA(as respirable dust)(8 hours):0.1 mg/m3 | |
| methyl methacrylate | 80-62-6 | Ireland OELs | TWA(8 hours):50 ppm;STEL(15 minutes):100 ppm | Resp/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**
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

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

*Applicable Norms/Standards*
Use eye/face protection conforming to EN 16321

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

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

*Applicable Norms/Standards*
Use gloves tested to EN 374

If this product is used in a manner that presents a higher potential for exposure (e.g., spraying, high splash potential, etc.), then use of a protective apron may be necessary. See recommended glove material(s) for determining appropriate apron material(s). If a glove material is not available as an apron, polymer laminate is a suitable option.

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours and particulates
Half facepiece or full facepiece supplied-air respirator

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

*Applicable Norms/Standards*
Use a respirator conforming to EN 140 or EN 136

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

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid. |
| **Specific Physical Form:** | Paste |
| **Colour** | Black |
| **Odor** | Mild Acrylate |
| **Odour threshold** | *No data available.* |
| **Melting point/freezing point** | *Not applicable.* |
| **Boiling point/boiling range** | >=37.8 ºC |
| **Flammability** | Not applicable. |
| **Flammable Limits(LEL)** | *No data available.* |
| **Flammable Limits(UEL)** | *No data available.* |
| **Flash point** | > 93.3 ºC [*Test Method:*Closed Cup] |
| **Autoignition temperature** | *No data available.* |
| **Decomposition temperature** | *No data available.* |
| **pH** | *substance/mixture is non-soluble (in water)* |
| **Kinematic Viscosity** | 54,054 mm²/sec |
| **Water solubility** | Nil |
| **Solubility- non-water** | *No data available.* |
| **Partition coefficient: n-octanol/water** | *No data available.* |
| **Vapour pressure** | *No data available.* |
| **Density** | 1.11 g/ml |
| **Relative density** | 1.11 [*Ref Std:*WATER=1] |
| **Relative Vapour Density** | *No data available.* |
| **Particle Characteristics** | *Not applicable.* |

**9.2. Other information**

**9.2.2 Other safety characteristics**

| | |
|---|---|
| **EU Volatile Organic Compounds** | *No data available.* |
| **Evaporation rate** | *No data available.* |
| **Molecular weight** | *Not applicable.* |

## SECTION 10: Stability and reactivity

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

**10.2 Chemical stability**
Stable.

**10.3 Possibility of hazardous reactions**
Hazardous polymerisation will not occur.

**10.4 Conditions to avoid**
Heat.
Sparks and/or flames.

**10.5 Incompatible materials**

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

**10.6 Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

# SECTION 11: Toxicological information

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

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

**Signs and Symptoms of Exposure**

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

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

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

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

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

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

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Dermal | | No data available; calculated ATE >5,000 mg/kg |
| Overall product | 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-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Ingestion | Rat | LD50 > 2,000 mg/kg |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Dermal | similar health hazards | LD50 estimated to be > 5,000 mg/kg |
| Fillers | Dermal | | LD50 estimated to be > 5,000 mg/kg |

| | | | |
|---|---|---|---|
| Fillers | Ingestion | Human | LD50 > 15,000 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 |
| Butadiene-Acrylonitrile Polymer | Dermal | Rabbit | LD50 > 15,000 mg/kg |
| Butadiene-Acrylonitrile 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 |
| Phosphate methacrylate | Ingestion | Rat | LD50 > 2,000 mg/kg |
| Phosphate methacrylate | Dermal | similar health hazards | LD50 estimated to be 2,000 - 5,000 mg/kg |
| benzyltributylammonium chloride | Ingestion | Not available | LD50 500 mg/kg |
| Carbon black | Dermal | Rabbit | LD50 > 3,000 mg/kg |
| Carbon black | Ingestion | Rat | LD50 > 8,000 mg/kg |
| Diethylene Glycol, Monomethacrylate | Dermal | similar compounds | LD50 > 5,000 mg/kg |
| Diethylene Glycol, Monomethacrylate | Ingestion | similar compounds | LD50 5,564 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 |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Dermal | Rabbit | LD50 > 2,000 mg/kg |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Ingestion | Rat | LD50 > 5,000 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 |
| Quartz | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Quartz | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| 2,3-epoxypropyl methacrylate | Dermal | Rabbit | LD50 480 mg/kg |
| 2,3-epoxypropyl methacrylate | Ingestion | Rat | LD50 597 mg/kg |
| 1,4-dihydroxybenzene | Dermal | Rat | LD50 > 4,800 mg/kg |
| 1,4-dihydroxybenzene | Ingestion | Rat | LD50 302 mg/kg |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Rabbit | Mild irritant |
| Fillers | Professional judgement | No significant irritation |
| 2-hydroxyethyl methacrylate | Rabbit | Minimal irritation |
| CYCLOHEXYL METHACRYLATE | Rabbit | Minimal irritation |
| Butadiene-Acrylonitrile Polymer | Professional | No significant irritation |

| | | |
|---|---|---|
| | judgement | |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| Phosphate methacrylate | Professional judgement | No significant irritation |
| benzyltributylammonium chloride | Guinea pig | Corrosive |
| Carbon black | Rabbit | No significant irritation |
| Diethylene Glycol, Monomethacrylate | similar compounds | Minimal irritation |
| naphthenic acids, copper salts | Rabbit | No significant irritation |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Rabbit | No significant irritation |
| methyl methacrylate | Rabbit | Irritant |
| Quartz | Professional judgement | No significant irritation |
| 2,3-epoxypropyl methacrylate | Rabbit | Corrosive |
| 1,4-dihydroxybenzene | Human and animal | Minimal irritation |

## Serious Eye Damage/Irritation

| Name | Species | Value |
|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Rabbit | No significant irritation |
| Fillers | Professional judgement | No significant irritation |
| 2-hydroxyethyl methacrylate | Rabbit | Moderate irritant |
| CYCLOHEXYL METHACRYLATE | In vitro data | Severe irritant |
| Butadiene-Acrylonitrile Polymer | Professional judgement | No significant irritation |
| Siloxanes and Silicones, di-Me, reaction products with silica | Rabbit | No significant irritation |
| Phosphate methacrylate | Professional judgement | Corrosive |
| benzyltributylammonium chloride | similar health hazards | Corrosive |
| Carbon black | Rabbit | No significant irritation |
| Diethylene Glycol, Monomethacrylate | similar compounds | Moderate irritant |
| naphthenic acids, copper salts | In vitro data | No significant irritation |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Rabbit | Mild irritant |
| methyl methacrylate | Rabbit | Mild irritant |
| 2,3-epoxypropyl methacrylate | Rabbit | Corrosive |
| 1,4-dihydroxybenzene | Human | Corrosive |

## Skin Sensitisation

| Name | Species | Value |
|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Guinea | Not classified |

| | | |
|---|---|---|
| | pig | |
| 2-hydroxyethyl methacrylate | Human and animal | Sensitising |
| CYCLOHEXYL METHACRYLATE | Mouse | Sensitising |
| Siloxanes and Silicones, di-Me, reaction products with silica | Human and animal | Not classified |
| Phosphate methacrylate | Professional judgement | Sensitising |
| Diethylene Glycol, Monomethacrylate | similar compounds | Sensitising |
| naphthenic acids, copper salts | Guinea pig | Not classified |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Guinea pig | Not classified |
| methyl methacrylate | Human and animal | Sensitising |
| 2,3-epoxypropyl methacrylate | Human and animal | Sensitising |
| 1,4-dihydroxybenzene | Guinea pig | Sensitising |

## Respiratory Sensitisation

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

## Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | In Vitro | Not mutagenic |
| 2-hydroxyethyl methacrylate | In vivo | Not mutagenic |
| 2-hydroxyethyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| CYCLOHEXYL METHACRYLATE | In Vitro | Not mutagenic |
| Siloxanes and Silicones, di-Me, reaction products with silica | In Vitro | Not mutagenic |
| Phosphate methacrylate | 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 |
| Diethylene Glycol, Monomethacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | In Vitro | Not mutagenic |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 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 |
| Quartz | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Quartz | In vivo | Some positive data exist, but the data are not sufficient for classification |
| 2,3-epoxypropyl methacrylate | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 2,3-epoxypropyl methacrylate | In vivo | Mutagenic |
| 1,4-dihydroxybenzene | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| 1,4-dihydroxybenzene | In vivo | 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 |
| Quartz | Inhalation | Human and animal | Carcinogenic. |
| 2,3-epoxypropyl methacrylate | Ingestion | similar compounds | Carcinogenic. |
| 2,3-epoxypropyl methacrylate | Inhalation | Multiple animal species | Carcinogenic. |
| 1,4-dihydroxybenzene | Dermal | Mouse | Not carcinogenic |
| 1,4-dihydroxybenzene | 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-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 29 days |
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | premating into lactation |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for male reproduction | Rat | NOAEL 1,000 mg/kg/day | 49 days |
| 2-hydroxyethyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | premating & during gestation |
| CYCLOHEXYL METHACRYLATE | Ingestion | Not classified for female reproduction | Rat | NOAEL 1,000 mg/kg/day | premating 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 |
| 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 | Ingestion | Not classified for development | Rat | NOAEL | during |

| | | | | | |
|---|---|---|---|---|---|
| products with silica | | | | 1,350 mg/kg/day | organogenesis |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Ingestion | Not classified for development | Rat | NOAEL 1,000 mg/kg/day | during gestation |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Ingestion | Not classified for female reproduction | Rat | NOAEL 500 ppm in the diet | 1 generation |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Ingestion | Not classified for male reproduction | Rat | NOAEL 500 ppm in the diet | 1 generation |
| 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 |
| 2,3-epoxypropyl methacrylate | Ingestion | Not classified for development | Rat | NOAEL 100 mg/kg/day | premating into lactation |
| 2,3-epoxypropyl methacrylate | Inhalation | Not classified for development | Rabbit | NOAEL 0.058 mg/l | during gestation |
| 2,3-epoxypropyl methacrylate | Ingestion | Not classified for female reproduction | Rat | NOAEL 30 mg/kg/day | premating into lactation |
| 2,3-epoxypropyl methacrylate | Ingestion | Toxic to male reproduction | Rat | NOAEL 30 mg/kg/day | 45 days |
| 1,4-dihydroxybenzene | Ingestion | Not classified for female reproduction | Rat | NOAEL 150 mg/kg/day | 2 generation |
| 1,4-dihydroxybenzene | Ingestion | Not classified for male reproduction | Rat | NOAEL 150 mg/kg/day | 2 generation |
| 1,4-dihydroxybenzene | Ingestion | Not classified for development | Rat | NOAEL 100 mg/kg/day | during organogenesis |

## Target Organ(s)

### Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| CYCLOHEXYL METHACRYLATE | Inhalation | respiratory irritation | May cause respiratory irritation | official classification | NOAEL Not available | |
| Phosphate methacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| benzyltributylammonium chloride | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL Not available | |
| Diethylene Glycol, Monomethacrylate | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| methyl methacrylate | Inhalation | respiratory irritation | May cause respiratory irritation | Human | NOAEL Not available | occupational exposure |
| 2,3-epoxypropyl methacrylate | Inhalation | respiratory irritation | May cause respiratory irritation | similar health hazards | NOAEL not available | |
| 1,4-dihydroxybenzene | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | similar health hazards | NOAEL Not available | |
| 1,4-dihydroxybenzene | Ingestion | nervous system | May cause damage to organs | Rat | NOAEL Not available | not applicable |
| 1,4-dihydroxybenzene | Ingestion | kidney and/or bladder | Not classified | Rat | NOAEL 400 mg/kg | not applicable |

**Specific Target Organ Toxicity - repeated exposure**

| Name | Route | Target Organ(s) | Value | Species | Test result | Exposure Duration |
|---|---|---|---|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester | Ingestion | heart \| hematopoietic system \| immune system \| nervous system \| kidney and/or bladder | Not classified | Rat | NOAEL 1,000 mg/kg/day | 29 days |
| 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 | |
| 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 |
| 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 |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | Ingestion | hematopoietic system \| heart \| skin \| endocrine system \| gastrointestinal tract \| liver \| immune system \| muscles \| nervous system \| eyes \| kidney and/or bladder \| respiratory system \| vascular system | Not classified | Rat | NOAEL 78 mg/kg/day | 90 days |
| methyl methacrylate | Dermal | peripheral nervous system | Not classified | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Inhalation | olfactory system | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| methyl methacrylate | Inhalation | kidney and/or bladder | Not classified | Multiple animal species | NOAEL Not available | 14 weeks |
| methyl methacrylate | Inhalation | liver | Not classified | Mouse | NOAEL 12.3 mg/l | 14 weeks |
| methyl methacrylate | Inhalation | respiratory system | Not classified | Human | NOAEL Not available | occupational exposure |
| 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 |
| Quartz | Inhalation | silicosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| 2,3-epoxypropyl methacrylate | Inhalation | respiratory system | Causes damage to organs through prolonged or repeated exposure | Rabbit | NOAEL 0.012 mg/l | 13 days |
| 2,3-epoxypropyl methacrylate | Ingestion | endocrine system \| kidney and/or bladder | Not classified | Rat | NOAEL 100 mg/kg/day | 45 days |
| 2,3-epoxypropyl methacrylate | Ingestion | gastrointestinal tract | Not classified | Rat | NOAEL 10 mg/kg/day | 45 days |
| 1,4-dihydroxybenzene | Ingestion | blood | Not classified | Rat | NOAEL Not available | 40 days |
| 1,4-dihydroxybenzene | Ingestion | bone marrow \| liver | Not classified | Rat | NOAEL Not | 9 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | available | |
| 1,4-dihydroxybenzene | Ingestion | kidney and/or bladder | Not classified | Rat | LOAEL 50 mg/kg/day | 15 months |
| 1,4-dihydroxybenzene | Ocular | eyes | Not classified | Human | NOAEL Not available | occupational exposure |

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

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

**11.2. Information on other hazards**

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

## SECTION 12: Ecological information

**The information below may not agree with the 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 | Identifier(s) | 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 |
| Fillers | 1332-58-7 | 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 | 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 |
| Butadiene-Acrylonitrile Polymer | 9003-18-3 | N/A | Data not available or insufficient for classification | N/A | N/A | 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 |
| 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 |
| Phosphate methacrylate | 1627542-04-4 | Common Carp | Experimental | 96 hours | LC50 | >100 mg/l |
| Phosphate methacrylate | 1627542-04-4 | Green algae | Experimental | 72 hours | EC50 | 90 mg/l |
| Phosphate methacrylate | 1627542-04-4 | Water flea | Experimental | 48 hours | EC50 | >100 mg/l |
| benzyltributylammonium chloride | 23616-79-7 | N/A | Data not available or insufficient for classification | N/A | N/A | N/A |
| 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 |
| 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 |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Fathead minnow | Analogous Compound | 96 hours | LC50 | 227 mg/l |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Green algae | Analogous Compound | 72 hours | EC50 | 710 mg/l |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Water flea | Analogous Compound | 48 hours | EC50 | 380 mg/l |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Green algae | Analogous Compound | 72 hours | NOEC | 160 mg/l |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Water flea | Analogous Compound | 21 days | NOEC | 24.1 mg/l |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | N/A | Analogous Compound | 16 hours | NOEC | >3,000 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Green algae | Estimated | 72 hours | ErC50 | 0.629 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 48 hours | EC50 | 0.0756 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Zebra Fish | Estimated | 96 hours | LC50 | 0.07 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Fathead minnow | Estimated | 32 days | EC10 | 0.0354 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Green algae | Estimated | N/A | NOEC | 0.132 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Sediment Worm | Estimated | 28 days | NOEC | 110 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Water flea | Estimated | 7 days | NOEC | 0.02 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| naphthenic acids, copper salts | 1338-02-9 | Activated sludge | Estimated | N/A | EC50 | 42 mg/l |
| naphthenic acids, copper salts | 1338-02-9 | Barley | Estimated | 4 days | NOEC | 96 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Redworm | Estimated | 56 days | NOEC | 60 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Soil microbes | Estimated | 4 days | NOEC | 72 mg/kg (Dry Weight) |
| naphthenic acids, copper salts | 1338-02-9 | Springtail | Estimated | 28 days | NOEC | 167 mg/kg (Dry Weight) |
| 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) |
| Quartz | 14808-60-7 | Green algae | Estimated | 72 hours | EC50 | 440 mg/l |
| Quartz | 14808-60-7 | Water flea | Estimated | 48 hours | EC50 | 7,600 mg/l |
| Quartz | 14808-60-7 | Zebra Fish | Estimated | 96 hours | LC50 | 5,000 mg/l |
| Quartz | 14808-60-7 | Green algae | Estimated | 72 hours | NOEC | 60 mg/l |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Green algae | Experimental | 72 hours | ErC50 | 97 mg/l |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Zebra Fish | Experimental | 96 hours | LC50 | 70.7 mg/l |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Green algae | Experimental | 72 hours | ErC10 | 15.4 mg/l |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Water flea | Experimental | 21 days | NOEC | 0.1 mg/l |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Activated sludge | Experimental | 3 hours | EC50 | >1,000 mg/l |

| | | | | | | |
|---|---|---|---|---|---|---|
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Redworm | Experimental | 14 days | LC50 | >1,000 mg/kg (Dry Weight) |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Green algae | Experimental | 72 hours | EC50 | 9.2 mg/l |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Medaka | Experimental | 96 hours | LC50 | 2.8 mg/l |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Water flea | Experimental | 48 hours | EC50 | 24.9 mg/l |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Green algae | Experimental | 72 hours | NOEC | 2.4 mg/l |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Water flea | Experimental | 21 days | NOEC | 1.02 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Activated sludge | Experimental | 2 hours | IC50 | 71 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Green algae | Experimental | 72 hours | ErC50 | 0.053 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Rainbow trout | Experimental | 96 hours | LC50 | 0.044 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Water flea | Experimental | 48 hours | EC50 | 0.061 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Fathead minnow | Experimental | 32 days | NOEC | >=0.066 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Green algae | Experimental | 72 hours | NOEC | 0.0015 mg/l |
| 1,4-dihydroxybenzene | 123-31-9 | Water flea | Experimental | 21 days | NOEC | 0.0029 mg/l |

### 12.2. Persistence and degradability

| Material | Identifier(s) | 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/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| Fillers | 1332-58-7 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Biodegradation | 28 days | BOD | 84 %BOD/COD | OECD 301D - Closed bottle test |
| 2-hydroxyethyl methacrylate | 868-77-9 | Experimental Hydrolysis | | Hydrolytic half-life basic pH | 10.9 days (t 1/2) | OECD 111 Hydrolysis func of pH |
| Butadiene-Acrylonitrile Polymer | 9003-18-3 | 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/THCO2 evolution | OECD 310 CO2 Headspace |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Phosphate methacrylate | 1627542-04-4 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| benzyltributylammonium chloride | 23616-79-7 | Estimated Biodegradation | 28 days | BOD | 3.9 %BOD/ThOD | OECD 301C - MITI test (I) |
| Carbon black | 1333-86-4 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Analogous Compound Biodegradation | 28 days | BOD | 95 %BOD/ThOD | OECD 301C - MITI test (I) |
| naphthenic acids, copper salts | 1338-02-9 | Data not availbl-insufficient | N/A | N/A | N/A | N/A |
| methyl methacrylate | 80-62-6 | Experimental Biodegradation | 14 days | BOD | 94 %BOD/ThOD | OECD 301C - MITI test (I) |
| Quartz | 14808-60-7 | Data not availbl- | N/A | N/A | N/A | N/A |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | insufficient | | | | |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Experimental Biodegradation | 28 days | CO2 evolution | 0 %CO2 evolution/THCO2 evolution | OECD 301B - Modified sturm or CO2 |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Experimental Biodegradation | 28 days | BOD | 94 %BOD/ThOD | OECD 301C - MITI test (I) |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Experimental Hydrolysis | | Hydrolytic half-life (pH 7) | 3.66 days (t 1/2) | OECD 111 Hydrolysis func of pH |
| 1,4-dihydroxybenzene | 123-31-9 | Experimental Biodegradation | 14 days | BOD | 70 %BOD/ThOD | OECD 301C - MITI test (I) |

### 12.3 : Bioaccumulative potential

| Material | Identifier(s) | 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 | |
| Fillers | 1332-58-7 | 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 |
| Butadiene-Acrylonitrile 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 | |
| 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 |
| Phosphate methacrylate | 1627542-04-4 | Experimental Bioconcentration | | Log Kow | 3.7 | |
| benzyltributylammonium chloride | 23616-79-7 | Estimated Bioconcentration | | Bioaccumulation factor | 31.7 | |
| Carbon black | 1333-86-4 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Modeled Bioconcentration | | Bioaccumulation factor | 2.5 | Catalogic™ |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Modeled Bioconcentration | | Log Kow | 0.03 | Episuite™ |
| naphthenic acids, copper salts | 1338-02-9 | Analogous Compound BCF - Fish | 42 days | Bioaccumulation factor | ≤27 | OECD305-Bioconcentration |
| methyl methacrylate | 80-62-6 | Experimental Bioconcentration | | Log Kow | 1.38 | OECD 107 log Kow shke flsk mtd |
| Quartz | 14808-60-7 | Data not available or insufficient for classification | N/A | N/A | N/A | N/A |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Modeled Bioconcentration | | Log Kow | 11 | Episuite™ |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Experimental Bioconcentration | | Log Kow | 0.96 | OECD 107 log Kow shke flsk mtd |
| 1,4-dihydroxybenzene | 123-31-9 | Experimental Bioconcentration | | Log Kow | 0.59 | |

### 12.4. Mobility in soil

| Material | Identifier(s) | Test type | Study Type | Test result | Protocol |
|---|---|---|---|---|---|
| 2-Propenoic acid, 2-methyl-, 2-(2- | 7328-22-5 | Estimated Mobility in Soil | Koc | 80 l/kg | Episuite™ |

| | | | | | |
|---|---|---|---|---|---|
| butoxyethoxy)ethyl ester | | | | | |
| 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™ |
| Phosphate methacrylate | 1627542-04-4 | Experimental Mobility in Soil | Koc | 135 l/kg | |
| Diethylene Glycol, Monomethacrylate | 2351-43-1 | Modeled Mobility in Soil | Koc | 10 l/kg | Episuite™ |
| methyl methacrylate | 80-62-6 | Experimental Mobility in Soil | Koc | 8.7-72 l/kg | |
| PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER | 26741-53-7 | Modeled Mobility in Soil | Koc | 10,000,000,000 l/kg | Episuite™ |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Modeled Mobility in Soil | Koc | 20 l/kg | Episuite™ |
| 1,4-dihydroxybenzene | 123-31-9 | Modeled Mobility in Soil | Koc | 40 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. 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)**

160506* Laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals

## 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**

| Ingredient | Identifier(s) | Classification | Regulation |
|---|---|---|---|
| Carbon black | 1333-86-4 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Carc. 1B | Regulation (EC) No. 1272/2008, Table 3.1 |
| 2,3-epoxypropyl methacrylate | 106-91-2 | Grp. 2A: Probable human carc. | International Agency for Research on Cancer |
| 1,4-dihydroxybenzene | 123-31-9 | Carc. 2 | Regulation (EC) No. 1272/2008, Table 3.1 |

| | | | |
|---|---|---|---|
| 1,4-dihydroxybenzene | 123-31-9 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| methyl methacrylate | 80-62-6 | Gr. 3: Not classifiable | International Agency for Research on Cancer |
| Quartz | 14808-60-7 | Grp. 1: Carcinogenic to humans | International Agency for Research on Cancer |

**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. |
| H311 | Toxic in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H341 | Suspected of causing genetic defects. |
| H350 | May cause cancer. |
| H351 | Suspected of causing cancer. |
| H360F | May damage fertility. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

**List of Relevant Notas**

| | |
|---|---|
| Nota D | Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. |

| | |
|---|---|
| | However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'. |

**Revision information:**
EU Section 14 - Table Data information was added.
EU Section 14 - Table Headers information was added.
CLP: Ingredient table information was modified.
Label: CLP Percent Unknown information was modified.
Label: Graphic information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 9: Vapour pressure value information was added.
Section 9: Vapour pressure value information was deleted.
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: 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:Bioccumulative potential information information was modified.
Section 13: Standard Phrase Category Waste GHS information was modified.
Section 14 Classification Code – Main Heading information was deleted.
Section 14 Classification Code – Regulation Data information was deleted.
Section 14 Control Temperature – Main Heading information was deleted.
Section 14 Control Temperature – Regulation Data information was deleted.
Section 14 Emergency Temperature – Main Heading information was deleted.
Section 14 Emergency Temperature – Regulation Data information was deleted.
Section 14 Hazard Class + Sub Risk – Main Heading information was deleted.
Section 14 Hazard Class + Sub Risk – Regulation Data information was deleted.
Section 14 Other Dangerous Goods – Main Heading information was deleted.
Section 14 Other Dangerous Goods – Regulation Data information was deleted.
Section 14 Packing Group – Main Heading information was deleted.
Section 14 Packing Group – Regulation Data information was deleted.
Section 14 Proper Shipping Name information was deleted.
Section 14 Regulations – Main Headings information was deleted.
Section 14 Segregation – Regulation Data information was deleted.
Section 14 Segregation Code – Main Heading information was deleted.
Section 14 Special Precautions – Main Heading information was deleted.
Section 14 Special Precautions – Regulation Data information was deleted.
Section 14 Transport in bulk – Regulation Data information was deleted.
Section 14 Marine transport in bulk according to IMO instruments – Main Heading information was deleted.
Section 14 UN Number Column data information was deleted.
Section 14 UN Number information was deleted.
Section 16: Two-column table displaying the unique list of Notas for all components of the given material. information was added.

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