



Safety Data Sheet

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Document group:	41-7884-4	Version number:	3.00
Revision date:	15/07/2026	Supersedes date:	24/07/2024
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™ Low Odor Acrylic Adhesive DP8710NS, Black, Kit

Product Identification Numbers

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

7100233348 7100233349 7100291547

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

Identified uses

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:

41-7883-6, 41-7837-2

TRANSPORTATION INFORMATION

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

KIT LABEL

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

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

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

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

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

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

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

SIGNAL WORD

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms



Contains:

2-hydroxyethyl methacrylate; CYCLOHEXYL METHACRYLATE; DIETHYLENE GLYCOL, MONOMETHACRYLATE; 2,3-epoxypropyl methacrylate; hydroxypropyl methacrylate; dodecyl methacrylate; methyl methacrylate; Phosphorus-containing methacrylate monomer; Tert-butyl 3,5,5-trimethylperoxyhexanoate.

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS

Prevention:

P261A	Avoid breathing vapours.
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.
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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:

Label: CLP Ingredients - kit components information was modified.

Section 1: Address information was modified.

Section 1: E-mail address information was modified.

Section 1: Product use information information was modified.

Label: CLP Precautionary - Prevention information was modified.

Label: Graphic information was modified.



Safety Data Sheet

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Document group:	41-7837-2	Version number:	3.00
Revision date:	31/07/2026	Supersedes date:	24/07/2024

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™ Low Odor Acrylic Adhesive DP8710NS, 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 2 - Eye Irrit. 2; H319
Skin Sensitization, Category 1 - Skin Sens. 1; H317
Specific Target Organ Toxicity-Single Exposure, Category 3 - STOT SE 3; H335
Hazardous to the Aquatic Environment (Chronic), Category 3 - Aquatic Chronic 3; H412

For full text of H phrases, see Section 16.

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

WARNING.

Symbols

GHS07 (Exclamation mark) |

Pictograms**Ingredients:**

Ingredient	Identifier(s)	EC No.	% by Wt
2-hydroxyethyl methacrylate	868-77-9	212-782-2	15 - 40
Cyclohexyl methacrylate	101-43-9	202-943-5	4.9 - 15
dodecyl methacrylate	142-90-5	205-570-6	3 - 10.5
Phosphate methacrylate	1627542-04-4		< 3
Hydroxypropyl methacrylate	27813-02-1	248-666-3	0.3 - 1.8
Diethylene Glycol, Monomethacrylate	2351-43-1	800-422-2	<= 1
methyl methacrylate	80-62-6	201-297-1	< 0.2
2,3-epoxypropyl methacrylate	106-91-2	203-441-9	< 0.02

HAZARD STATEMENTS:

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

PRECAUTIONARY STATEMENTS**Prevention:**

P261A	Avoid breathing vapours.
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.

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

<=125 ml Hazard statements

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

<=125 ml Precautionary statements

Prevention:

P261A Avoid breathing vapours.
P280 Wear protective gloves and eye protection.

Response:

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

28% of the mixture consists of components of unknown acute oral toxicity.

Contains 33% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

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

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-hydroxyethyl methacrylate	(CAS-No.) 868-77-9 (EC-No.) 212-782-2	15 - 40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Nota D
Proprietary polymer	Trade Secret	4 - 15	Substance not classified as hazardous
Cyclohexyl methacrylate	(CAS-No.) 101-43-9 (EC-No.) 202-943-5	4.9 - 15	Eye Irrit. 2, H319 STOT SE 3, H335 Skin Sens. 1, H317
dodecyl methacrylate	(CAS-No.) 142-90-5 (EC-No.) 205-570-6	3 - 10.5	STOT SE 3, H335
Kaolin	(CAS-No.) 1332-58-7 (EC-No.) 310-194-1	0.9 - 10	Substance with a national occupational exposure limit
Butadiene-Acrylonitrile Polymer	(CAS-No.) 9003-18-3	3 - 10	Substance not classified as hazardous
Acrylic copolymer	Trade Secret	0.1 - 10	Substance not classified as hazardous
Myristyl methacrylate	(CAS-No.) 2549-53-3 (EC-No.) 219-835-9	1 - 5	Substance not classified as hazardous
Amorphous silica	(CAS-No.) 67762-90-7	1 - 5	Substance not classified as hazardous

Urethane Acrylate Oligomer	Trade Secret	0.5 - 5	Substance not classified as hazardous
Phosphate methacrylate	(CAS-No.) 1627542-04-4	< 3	Eye Dam. 1, H318 Skin Sens. 1, H317
Hydroxypropyl methacrylate	(CAS-No.) 27813-02-1 (EC-No.) 248-666-3	0.3 - 1.8	Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
Hexadecyl methacryate	(CAS-No.) 2495-27-4 (EC-No.) 219-672-3	0.1 - 1.5	Substance not classified as hazardous
Diethylene Glycol, Monomethacrylate	(CAS-No.) 2351-43-1 (EC-No.) 800-422-2	<= 1	Eye Irrit. 2, H319 Skin Sens. 1, H317
cyclohexane	(CAS-No.) 110-82-7 (EC-No.) 203-806-2	< 1	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400,M=1 Aquatic Chronic 1, H410,M=1
Carbon black	(CAS-No.) 1333-86-4 (EC-No.) 215-609-9	<= 0.9	Substance with a national occupational exposure limit
methyl methacrylate	(CAS-No.) 80-62-6 (EC-No.) 201-297-1	< 0.2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Nota D
naphthenic acids, copper salts	(CAS-No.) 1338-02-9 (EC-No.) 215-657-0	< 0.2	Flam. Liq. 3, H226 Acute Tox. 4, H302 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	(CAS-No.) 26741-53-7 (EC-No.) 247-952-5	< 0.2	Aquatic Chronic 1, H410,M=1
2,3-epoxypropyl methacrylate	(CAS-No.) 106-91-2 (EC-No.) 203-441-9	< 0.02	Acute Tox. 3, H311 Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Muta. 2, H341 Carc. 1B, H350 Repr. 1B, H360F STOT SE 3, H335 STOT RE 1, H372 Nota D Skin Sens. 1A, H317
1,4-dihydroxybenzene	(CAS-No.) 123-31-9 (EC-No.) 204-617-8	< 0.02	Acute Tox. 4, H302 Eye Dam. 1, H318

			Skin Sens. 1B, H317 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400,M=10 Aquatic Chronic 1, H410,M=1
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Any entry in the Identifier(s) column that begins with the numbers 6, 7, 8, or 9 are a Provisional List Number provided by ECHA pending publication of the official EC Inventory Number for the substance.

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

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
dodecyl methacrylate	(CAS-No.) 142-90-5 (EC-No.) 205-570-6	(C >= 10%) STOT SE 3, H335

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

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

Skin contact

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

Eye contact

Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

If swallowed

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

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

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

Irritating to the respiratory tract (coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain).

Irritation to the skin (localized redness, swelling, itching, and dryness). Allergic skin reaction (redness, swelling, blistering, and itching). Serious irritation to the eyes (significant redness, swelling, pain, tearing, and impaired vision).

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

Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

Hazardous Decomposition or By-Products

Substance

Carbon monoxide
Carbon dioxide.
Hydrogen Chloride
Oxides of nitrogen.

Condition

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

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. 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
cyclohexane	110-82-7	Ireland OELs	TWA(8 hours):700 mg/m ³ (200 ppm)	
1,4-dihydroxybenzene	123-31-9	Ireland OELs	TWA(8 hours):0.5 mg/m ³	Resp/Dermal sensitizer
Kaolin	1332-58-7	Ireland OELs	TWA(as respirable dust)(8 hours):2 mg/m ³	
Carbon black	1333-86-4	Ireland OELs	TWA(inhalable fraction)(8 hours):3 mg/m ³	
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:

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
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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	<i>No data available.</i>
Melting point/freezing point	<i>Not applicable.</i>
Boiling point/boiling range	<i>No data available.</i>
Flammability	Not applicable.
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Flash point	> 93.3 °C [Test Method: Closed Cup]
Autoignition temperature	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
pH	<i>substance/mixture is non-soluble (in water)</i>
Kinematic Viscosity	38,462 mm ² /sec
Water solubility	Nil
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Vapour pressure	<i>No data available.</i>
Density	1.04 g/ml
Relative density	1.04 [Ref Std: WATER=1]
Relative Vapour Density	<i>No data available.</i>
Particle Characteristics	<i>Not applicable.</i>

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds

No data available.

Evaporation rate

No data available.

Molecular weight

Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

Amines.

Strong acids.

Strong bases.

Strong oxidising agents.

10.6 Hazardous decomposition products

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

Refer to section 5.2 for hazardous decomposition products during combustion.

SECTION 11: Toxicological information

The information below may not agree with the 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

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-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 compound ds	LC50 estimated to be 20 - 50 mg/l
dodecyl methacrylate	Ingestion	Rat	LD50 > 5,000 mg/kg
dodecyl methacrylate	Dermal	similar compound ds	LD50 > 3,000 mg/kg
Kaolin	Dermal		LD50 estimated to be > 5,000 mg/kg
Kaolin	Ingestion	Human	LD50 > 15,000 mg/kg
Butadiene-Acrylonitrile Polymer	Dermal	Rabbit	LD50 > 15,000 mg/kg
Butadiene-Acrylonitrile Polymer	Ingestion	Rat	LD50 > 30,000 mg/kg
Amorphous silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Amorphous silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Amorphous silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Myristyl methacrylate	Dermal	Rabbit	LD50 > 3,000 mg/kg
Myristyl methacrylate	Ingestion	Rat	LD50 > 5,000 mg/kg
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
Hydroxypropyl methacrylate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Hydroxypropyl methacrylate	Ingestion	Rat	LD50 > 2,000 mg/kg
Hexadecyl methacrylate	Dermal	Rabbit	LD50 > 3,000 mg/kg
Hexadecyl methacrylate	Ingestion	Rat	LD50 > 5,000 mg/kg
Diethylene Glycol, Monomethacrylate	Dermal	similar compound ds	LD50 > 5,000 mg/kg
Diethylene Glycol, Monomethacrylate	Ingestion	similar compound ds	LD50 5,564 mg/kg
Carbon black	Dermal	Rabbit	LD50 > 3,000 mg/kg
Carbon black	Ingestion	Rat	LD50 > 8,000 mg/kg
cyclohexane	Dermal	Rat	LD50 > 2,000 mg/kg
cyclohexane	Inhalation-Vapour (4 hours)	Rat	LC50 > 32.9 mg/l
cyclohexane	Ingestion	Rat	LD50 6,200 mg/kg
methyl methacrylate	Dermal	Rabbit	LD50 > 5,000 mg/kg
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	Dermal	Rabbit	LD50 > 2,000 mg/kg

methyl methacrylate	Inhalation-Vapour (4 hours)	Rat	LC50 29.8 mg/l
methyl methacrylate	Ingestion	Rat	LD50 7,900 mg/kg
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	Ingestion	Rat	LD50 > 5,000 mg/kg
naphthenic acids, copper salts	Dermal	similar compounds	LD50 > 2,000 mg/kg
naphthenic acids, copper salts	Ingestion	similar compounds	LD50 >300, < 2,000 mg/kg
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-hydroxyethyl methacrylate	Rabbit	Minimal irritation
Cyclohexyl methacrylate	Rabbit	Minimal irritation
dodecyl methacrylate	similar compounds	Minimal irritation
Butadiene-Acrylonitrile Polymer	Professional judgement	No significant irritation
Kaolin	Professional judgement	No significant irritation
Amorphous silica	Rabbit	No significant irritation
Myristyl methacrylate	Rabbit	Minimal irritation
Phosphate methacrylate	Professional judgement	No significant irritation
Hydroxypropyl methacrylate	Rabbit	Minimal irritation
Hexadecyl methacrylate	Rabbit	Minimal irritation
Diethylene Glycol, Monomethacrylate	similar compounds	Minimal irritation
Carbon black	Rabbit	No significant irritation
cyclohexane	Rabbit	Mild irritant
methyl methacrylate	Rabbit	Irritant
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	Rabbit	No significant irritation
naphthenic acids, copper salts	Rabbit	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-hydroxyethyl methacrylate	Rabbit	Moderate irritant
Cyclohexyl methacrylate	In vitro data	Severe irritant
dodecyl methacrylate	similar compounds	No significant irritation

Butadiene-Acrylonitrile Polymer	Professional judgement	No significant irritation
Kaolin	Professional judgement	No significant irritation
Amorphous silica	Rabbit	No significant irritation
Myristyl methacrylate	Rabbit	No significant irritation
Phosphate methacrylate	Professional judgement	Corrosive
Hydroxypropyl methacrylate	Rabbit	Moderate irritant
Hexadecyl methacrylate	Rabbit	No significant irritation
Diethylene Glycol, Monomethacrylate	similar compounds	Moderate irritant
Carbon black	Rabbit	No significant irritation
cyclohexane	Rabbit	Mild irritant
methyl methacrylate	Rabbit	Mild irritant
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	Rabbit	Mild irritant
naphthenic acids, copper salts	In vitro data	No significant irritation
2,3-epoxypropyl methacrylate	Rabbit	Corrosive
1,4-dihydroxybenzene	Human	Corrosive

Skin Sensitisation

Name	Species	Value
2-hydroxyethyl methacrylate	Human and animal	Sensitising
Cyclohexyl methacrylate	Mouse	Sensitising
dodecyl methacrylate	Guinea pig	Not classified
Amorphous silica	Human and animal	Not classified
Myristyl methacrylate	Professional judgement	Some positive data exist, but the data are not sufficient for classification
Phosphate methacrylate	Professional judgement	Sensitising
Hydroxypropyl methacrylate	Human and animal	Sensitising
Hexadecyl methacrylate	Mouse	Some positive data exist, but the data are not sufficient for classification
Diethylene Glycol, Monomethacrylate	similar compounds	Sensitising
methyl methacrylate	Human and animal	Sensitising
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	Guinea pig	Not classified
naphthenic acids, copper salts	Guinea pig	Not classified
2,3-epoxypropyl methacrylate	Human and	Sensitising

	animal	
1,4-dihydroxybenzene	Guinea pig	Sensitising

Respiratory Sensitisation

Name	Species	Value
methyl methacrylate	Human	Not classified

Germ Cell Mutagenicity

Name	Route	Value
2-hydroxyethyl methacrylate	In vivo	Not mutagenic
2-hydroxyethyl methacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Cyclohexyl methacrylate	In Vitro	Not mutagenic
dodecyl methacrylate	In Vitro	Not mutagenic
dodecyl methacrylate	In vivo	Not mutagenic
Amorphous silica	In Vitro	Not mutagenic
Myristyl methacrylate	In Vitro	Not mutagenic
Phosphate methacrylate	In Vitro	Not mutagenic
Hydroxypropyl methacrylate	In vivo	Not mutagenic
Hydroxypropyl methacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Diethylene Glycol, Monomethacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Carbon black	In Vitro	Not mutagenic
Carbon black	In vivo	Some positive data exist, but the data are not sufficient for classification
cyclohexane	In Vitro	Not mutagenic
cyclohexane	In vivo	Some positive data exist, but the data are not sufficient for classification
methyl methacrylate	In vivo	Not mutagenic
methyl methacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
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
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
Kaolin	Inhalation	Multiple animal species	Not carcinogenic
Amorphous 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
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-hydroxyethyl methacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	prematuring & during gestation
2-hydroxyethyl methacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	49 days
2-hydroxyethyl methacrylate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	prematuring & during gestation
Cyclohexyl methacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	prematuring into lactation
Cyclohexyl methacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	15 weeks
Cyclohexyl methacrylate	Ingestion	Not classified for development	Rabbit	NOAEL 500 mg/kg/day	during gestation
dodecyl methacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	prematuring into lactation
dodecyl methacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	6 weeks
dodecyl methacrylate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	prematuring into lactation
Amorphous silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Amorphous silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Amorphous silica	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Hydroxypropyl methacrylate	Ingestion	Not classified for female reproduction	Rat	NOAEL 1,000 mg/kg/day	prematuring into lactation
Hydroxypropyl methacrylate	Ingestion	Not classified for male reproduction	Rat	NOAEL 1,000 mg/kg/day	49 days
Hydroxypropyl methacrylate	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during gestation
cyclohexane	Inhalation	Not classified for female reproduction	Rat	NOAEL 24 mg/l	2 generation
cyclohexane	Inhalation	Not classified for male reproduction	Rat	NOAEL 24 mg/l	2 generation
cyclohexane	Inhalation	Not classified for development	Rat	NOAEL 6.9 mg/l	2 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
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
2,3-epoxypropyl methacrylate	Ingestion	Not classified for development	Rat	NOAEL 100 mg/kg/day	prematuring 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	prematuring 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
Cyclohexyl methacrylate	Inhalation	respiratory irritation	May cause respiratory irritation	official classification	NOAEL Not available	
dodecyl methacrylate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Professional judgement	NOAEL Not available	
Myristyl methacrylate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Professional judgement	NOAEL not available	
Phosphate methacrylate	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL Not available	
Hydroxypropyl methacrylate	Inhalation	respiratory irritation	May cause respiratory irritation	similar compounds	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	
cyclohexane	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human and animal	NOAEL Not available	
cyclohexane	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human and animal	NOAEL Not available	
cyclohexane	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Professional judgement	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
Cyclohexyl methacrylate	Ingestion	endocrine system hematopoietic system liver kidney and/or bladder nervous system eyes	Not classified	Rat	NOAEL 1,000 mg/kg/day	15 weeks
dodecyl methacrylate	Ingestion	hematopoietic system liver kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	6 weeks
Kaolin	Inhalation	pneumoconiosis	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL NA	occupational exposure
Kaolin	Inhalation	pulmonary fibrosis	Not classified	Rat	NOAEL Not available	
Amorphous silica	Inhalation	respiratory system silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Hydroxypropyl methacrylate	Inhalation	blood	Not classified	Rat	NOAEL 0.5 mg/l	21 days
Hydroxypropyl methacrylate	Ingestion	hematopoietic system heart endocrine system liver immune system nervous system kidney and/or bladder	Not classified	Rat	NOAEL 1,000 mg/kg/day	41 days
Carbon black	Inhalation	pneumoconiosis	Not classified	Human	NOAEL Not available	occupational exposure
cyclohexane	Inhalation	liver	Not classified	Rat	NOAEL 24 mg/l	90 days
cyclohexane	Inhalation	auditory system	Not classified	Rat	NOAEL 1.7 mg/l	90 days
cyclohexane	Inhalation	kidney and/or bladder	Not classified	Rabbit	NOAEL 2.7 mg/l	10 weeks
cyclohexane	Inhalation	hematopoietic system	Not classified	Mouse	NOAEL 24 mg/l	14 weeks
cyclohexane	Inhalation	peripheral nervous system	Not classified	Rat	NOAEL 8.6 mg/l	30 weeks
methyl methacrylate	Dermal	peripheral nervous system	Not classified	Human	NOAEL Not available	occupational exposure
methyl methacrylate	Inhalation	olfactory system	Causes damage to organs through prolonged or repeated exposure	Human	NOAEL Not available	occupational exposure
methyl methacrylate	Inhalation	kidney and/or bladder	Not classified	Multiple animal species	NOAEL Not available	14 weeks
methyl methacrylate	Inhalation	liver	Not classified	Mouse	NOAEL 12.3 mg/l	14 weeks
methyl methacrylate	Inhalation	respiratory system	Not classified	Human	NOAEL Not available	occupational exposure
methyl methacrylate	Ingestion	kidney and/or bladder heart skin endocrine system gastrointestinal tract hematopoietic system liver muscles nervous system respiratory	Not classified	Rat	NOAEL 90.3 mg/kg/day	2 years

		system				
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
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 available	9 weeks
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

Name	Value
cyclohexane	Aspiration hazard

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

11.2. Information on other hazards

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

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available.

Material	Identifier(s)	Organism	Type	Exposure	Test endpoint	Test result
2-hydroxyethyl methacrylate	868-77-9	Turbot	Analogous Compound	96 hours	LC50	833 mg/l
2-hydroxyethyl methacrylate	868-77-9	Fathead minnow	Experimental	96 hours	LC50	227 mg/l
2-hydroxyethyl methacrylate	868-77-9	Green algae	Experimental	72 hours	EC50	710 mg/l
2-hydroxyethyl methacrylate	868-77-9	Water flea	Experimental	48 hours	EC50	380 mg/l
2-hydroxyethyl methacrylate	868-77-9	Green algae	Experimental	72 hours	NOEC	160 mg/l

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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
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
dodecyl methacrylate	142-90-5	Zebra Fish	Analogous Compound	96 hours	No tox obs at lmt of water sol	>100
dodecyl methacrylate	142-90-5	Green algae	Experimental	72 hours	No tox obs at lmt of water sol	>100
dodecyl methacrylate	142-90-5	Green algae	Experimental	72 hours	No tox obs at lmt of water sol	>100
dodecyl methacrylate	142-90-5	Water flea	Experimental	21 days	No tox obs at lmt of water sol	>100
dodecyl methacrylate	142-90-5	Activated sludge	Analogous Compound	3 hours	EC50	>10,000
Butadiene-Acrylonitrile Polymer	9003-18-3	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Kaolin	1332-58-7	Water flea	Experimental	48 hours	LC50	>1,100 mg/l
Amorphous silica	67762-90-7	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Myristyl methacrylate	2549-53-3	Activated sludge	Estimated	3 hours	EC50	>10,000 mg/l
Myristyl methacrylate	2549-53-3	Green algae	Estimated	72 hours	No tox obs at lmt of water sol	>100 mg/l
Myristyl methacrylate	2549-53-3	Zebra Fish	Estimated	96 hours	No tox obs at lmt of water sol	>100 mg/l
Myristyl methacrylate	2549-53-3	Green algae	Estimated	72 hours	No tox obs at lmt of water sol	>100 mg/l
Myristyl methacrylate	2549-53-3	Water flea	Estimated	21 days	No tox obs at lmt of water sol	>100 mg/l
Urethane Acrylate Oligomer	Trade Secret	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
Hydroxypropyl methacrylate	27813-02-1	Bacteria	Experimental	N/A	EC10	1,140 mg/l
Hydroxypropyl methacrylate	27813-02-1	Golden Orfe	Experimental	48 hours	EC50	493 mg/l
Hydroxypropyl methacrylate	27813-02-1	Green algae	Experimental	72 hours	ErC50	>97.2 mg/l
Hydroxypropyl methacrylate	27813-02-1	Water flea	Experimental	48 hours	EC50	>143 mg/l
Hydroxypropyl methacrylate	27813-02-1	Green algae	Experimental	72 hours	NOEC	97.2 mg/l
Hydroxypropyl methacrylate	27813-02-1	Water flea	Experimental	21 days	NOEC	45.2 mg/l

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Hexadecyl methacrylate	2495-27-4	Activated sludge	Estimated	3 hours	EC10	>10,000 mg/l
Hexadecyl methacrylate	2495-27-4	Green algae	Estimated	72 hours	No tox obs at lmt of water sol	>100 mg/l
Hexadecyl methacrylate	2495-27-4	Zebra Fish	Estimated	96 hours	No tox obs at lmt of water sol	>100 mg/l
Hexadecyl methacrylate	2495-27-4	Green algae	Estimated	72 hours	No tox obs at lmt of water sol	>100 mg/l
Hexadecyl methacrylate	2495-27-4	Water flea	Estimated	21 days	No tox obs at lmt of water sol	>100 mg/l
cyclohexane	110-82-7	Fathead minnow	Experimental	96 hours	LC50	4.53 mg/l
cyclohexane	110-82-7	Water flea	Experimental	48 hours	EC50	0.9 mg/l
cyclohexane	110-82-7	Bacteria	Experimental	24 hours	IC50	97 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
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
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

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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)
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-BUTYLPHENYL) ESTER	26741-53-7	Green algae	Experimental	72 hours	ErC50	97 mg/l
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-BUTYLPHENYL) ESTER	26741-53-7	Zebra Fish	Experimental	96 hours	LC50	70.7 mg/l
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-BUTYLPHENYL) ESTER	26741-53-7	Green algae	Experimental	72 hours	ErC10	15.4 mg/l
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-BUTYLPHENYL) ESTER	26741-53-7	Water flea	Experimental	21 days	NOEC	0.1 mg/l
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-BUTYLPHENYL) ESTER	26741-53-7	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAHYLBIS(2,4-DITERT-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

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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-hydroxyethyl methacrylate	868-77-9	Experimental Biodegradation	28 days	BOD	84 %BOD/CO D	OECD 301D - Closed bottle test
2-hydroxyethyl methacrylate	868-77-9	Experimental Hydrolysis		Hydrolytic half-life basic pH	10.9 days (t 1/2)	OECD 111 Hydrolysis func of pH
Cyclohexyl methacrylate	101-43-9	Experimental Biodegradation	28 days	CO2 evolution	70-80 %CO2 evolution/THC O2 evolution	OECD 310 CO2 Headspace
dodecyl methacrylate	142-90-5	Experimental Biodegradation	28 days	BOD	88.5 %BOD/Th OD	OECD 301C - MITI test (I)
Butadiene-Acrylonitrile Polymer	9003-18-3	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Kaolin	1332-58-7	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Amorphous silica	67762-90-7	Data not availbl-insufficient	N/A	N/A	N/A	N/A
Myristyl methacrylate	2549-53-3	Estimated Biodegradation	28 days	BOD	88.5 %BOD/Th OD	
Urethane Acrylate Oligomer	Trade Secret	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
Hydroxypropyl methacrylate	27813-02-1	Experimental Biodegradation	28 days	BOD	81 %BOD/ThO D	OECD 301C - MITI test (I)
Hexadecyl methacrylate	2495-27-4	Estimated Biodegradation	28 days	BOD	87 %BOD/ThO D	OECD 301C - MITI test (I)
cyclohexane	110-82-7	Experimental Biodegradation	28 days	BOD	77 %BOD/ThO D	OECD 301F - Manometric respirometry
cyclohexane	110-82-7	Experimental Photolysis		Photolytic half-life (in air)	4.3 days (t 1/2)	
Diethylene Glycol, Monomethacrylate	2351-43-1	Analogous Compound Biodegradation	28 days	BOD	95 %BOD/ThO D	OECD 301C - MITI test (I)
Carbon black	1333-86-4	Data not availbl-insufficient	N/A	N/A	N/A	N/A
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/ThO D	OECD 301C - MITI test (I)
PHOSPHOROUS ACID, CYCLIC NEOPENTANETETRAYL BIS(2,4-DI-TERT-BUTYLPHENYL) ESTER	26741-53-7	Experimental Biodegradation	28 days	CO2 evolution	0 %CO2 evolution/THC O2 evolution	OECD 301B - Modified sturm or CO2
2,3-epoxypropyl methacrylate	106-91-2	Experimental Biodegradation	28 days	BOD	94 %BOD/ThO D	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/ThO D	OECD 301C - MITI test (I)

12.3 : Bioaccumulative potential

Material	Identifier(s)	Test type	Duration	Study Type	Test result	Protocol
2-hydroxyethyl methacrylate	868-77-9	Experimental Bioconcentration		Log Kow	0.42	OECD 107 log Kow shke flsk mtd

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

Cyclohexyl methacrylate	101-43-9	Experimental Bioconcentration		Log Kow	3.9	
dodecyl methacrylate	142-90-5	Analogous Compound BCF - Other	56 hours	Bioaccumulation factor	37	OECD305-Bioconcentration
dodecyl methacrylate	142-90-5	Analogous Compound Bioconcentration		Log Kow	7.08	OECD 117 log Kow HPLC method
Butadiene-Acrylonitrile Polymer	9003-18-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Kaolin	1332-58-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Amorphous silica	67762-90-7	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Myristyl methacrylate	2549-53-3	Estimated BCF - Other	56 hours	Bioaccumulation factor	37	OECD305-Bioconcentration
Urethane Acrylate Oligomer	Trade Secret	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	
Hydroxypropyl methacrylate	27813-02-1	Experimental Bioconcentration		Log Kow	0.97	EC A.8 Partition Coefficient
Hexadecyl methacrylate	2495-27-4	Estimated BCF - Other	56 hours	Bioaccumulation factor	37	OECD305-Bioconcentration
cyclohexane	110-82-7	Experimental BCF - Fish	56 days	Bioaccumulation factor	129	OECD305-Bioconcentration
cyclohexane	110-82-7	Experimental Bioconcentration		Log Kow	3.44	
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™
Carbon black	1333-86-4	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
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 flask mtd
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 flask 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-hydroxyethyl methacrylate	868-77-9	Experimental Mobility in Soil	Koc	42.7 l/kg	
Cyclohexyl methacrylate	101-43-9	Estimated Mobility in Soil	Koc	190 l/kg	Episuite™
dodecyl methacrylate	142-90-5	Analogous Compound Mobility in Soil	Koc	2040-51000 l/kg	OECD 106 Adsp-Desb Batch Equil
Phosphate methacrylate	1627542-04-4	Experimental Mobility in Soil	Koc	135 l/kg	

Hydroxypropyl methacrylate	27813-02-1	Experimental Mobility in Soil	Koc	10 l/kg	Episuite™
cyclohexane	110-82-7	Modeled Mobility in Soil	Koc	970 l/kg	Episuite™
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)

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

SECTION 14: Transportation information

Not hazardous for transportation.

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

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

SECTION 15: Regulatory information

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

Carcinogenicity

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

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

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

Ingredient
Identifier(s)

cyclohexane

110-82-7

Restriction status: listed in REACH Annex XVII

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

Global inventory status

Contact 3M for more information.

DIRECTIVE 2012/18/EU

Seveso hazard categories, Annex 1, Part 1

None

Seveso named dangerous substances, Annex 1, Part 2

None

Regulation (EU) No 649/2012

No chemicals listed

15.2. Chemical Safety Assessment

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

SECTION 16: Other information
List of relevant H statements

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
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.
H336	May cause drowsiness or dizziness.
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'.
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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 2: <125ml Hazard - Environmental information was added.
 Section 2: <125ml Precautionary - Prevention information was modified.
 CLP: Ingredient table information was modified.
 Label: CLP Classification information was modified.
 Label: CLP Environmental Hazard Statements information was added.
 Label: CLP Percent Unknown information was modified.
 Label: CLP Precautionary - Prevention information was modified.
 Label: Graphic information was modified.
 Section 3: Composition/ Information of ingredients table information was modified.
 Section 5: Fire - Special hazards information information was modified.
 Section 5: Hazardous combustion products table information was modified.
 Section 6: Accidental release personal information information was modified.
 Section 7: Conditions safe storage information was modified.
 Section 7: Precautions safe handling information information was modified.
 Section 8: Appropriate Engineering controls information information was modified.
 Section 8: Occupational exposure limit table information was modified.
 Section 08: Personal Protection - Apron Statement information was added.
 Section 8: Personal Protection - Respiratory Information information was modified.
 Section 8: Personal Protection - Skin/body 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 10: Hazardous Decomposition Products information information was deleted.
 Section 11: Acute Toxicity table information was modified.
 Section 11: Aspiration Hazard Table information was modified.
 Section 11: Carcinogenicity Table information was modified.
 Section 11: Germ Cell Mutagenicity Table information was modified.
 Section 11: Health Effects - Ingestion information information was modified.
 Section 11: Health Effects - Inhalation information information was modified.
 Section 11: Health Effects - Skin information information was modified.
 Section 11: Reproductive Toxicity Table information was modified.
 Section 11: Reproductive/developmental effects information information was deleted.
 Section 11: Serious Eye Damage/Irritation Table information was modified.
 Section 11: Skin Corrosion/Irritation Table information was modified.
 Section 11: Skin Sensitization Table information was modified.
 Section 11: Target Organs - Repeated Table information was modified.
 Section 11: Target Organs - Single Table information was modified.
 Section 12: Component ecotoxicity information information was modified.

Section 12: Mobility in soil information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Bioaccumulative potential information information was modified.
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 15: Carcinogenicity information information was modified.
Section 15: Restrictions on manufacture ingredients information information was modified.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material. information was modified.
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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3M Ireland MSDSs are available at www.3M.com



Safety Data Sheet

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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™ Low Odor Acrylic Adhesive DP8710NS, 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	3 - 7

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 - 70	Aquatic Chronic 3, H412

	31-4 (EC-No.) 248-258-5 (REACH-No.) 01-2119529241-49		
di-aryl heterocyclic compound	Trade Secret	10 - 30	Acute Tox. 4, H302 Eye Irrit. 2, H319
Acrylate Polymer	(CAS-No.) 25101-28-4	10 - 30	Substance not classified as hazardous
Benzoate Esters	(CAS-No.) 32686-95-6	< 13	Substance not classified as hazardous
Tert-butyl 3,5,5-trimethylperoxyhexanoate	(CAS-No.) 13122-18-4 (EC-No.) 236-050-7	3 - 7	Org. Perox. CD, H242 Skin Sens. 1B, H317 Aquatic Acute 1, H400,M=1 Aquatic Chronic 3, H412

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

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

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

Skin contact

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

Eye contact

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

Carbon monoxide
Carbon dioxide.

Condition

During combustion.
During combustion.

5.3. Advice for fire-fighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage including any incompatibilities

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

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

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

Biological limit values

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

8.2. Exposure controls

8.2.1. Engineering controls

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

8.2.2. Personal protective equipment (PPE)

Eye/face protection

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

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Molecular weight	<i>Not applicable.</i>
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 classification	similar health hazards	NOAEL Not available	

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	25101-28-4	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-trimethylperoxyhexano	13122-18-4	Green algae	Experimental	72 hours	ErC50	0.51 mg/l

ate						
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/THC O2 evolution	OECD 301B - Modified sturm or CO2
Acrylate Polymer	25101-28-4	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/THC O2 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	25101-28-4	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-	13122-18-4	Modeled Mobility	Koc	3,550 l/kg	Episuite™

trimethylperoxyhexanoate		in Soil			
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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 mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances 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.
 CLP: Ingredient table 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 8: glove data value information was modified.
 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: Personal Protection - Skin/hand information information was modified.
 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: Biocumulative potential 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.
Section 15: Chemical Safety Assessment information was modified.
Section 15: Seveso Hazard Category Text information was deleted.
Two-column table displaying the unique list of H Codes and statements (std phrases) for all components of the given material.
information was modified.

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

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