



Safety Data Sheet

Copyright, 2016, 3M Company All rights reserved. Copying and/or downloading of this information for the purpose of properly utilising 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Document group:	16-3951-7	Version number:	10.00
Revision date:	12/05/2016	Supersedes date:	04/05/2006
Transportation version number:	1.00 (12/05/2016)		

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

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

1.1. Product identifier

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

Product Identification Numbers

70-2011-0736-7

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

Identified uses

Dental Product

Restrictions on Use

For use only by dental professionals

1.3. Details of the supplier of the safety data sheet

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

1.4. Emergency telephone number

+44 (0)1344 858 000

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

CLP REGULATION (EC) No 1272/2008

This product is a medical device as defined in Directive 93/42/EEC (MDD), which is invasive or used in direct physical contact with the human body, and therefore is exempt from the requirements of classification and labelling according to Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5). Although not required, the classification and label information, as applicable, is provided below.

CLASSIFICATION:

Flammable Liquid, Category 2 - Flam. Liq. 2; H225

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

Serious Eye Damage/Eye Irritation, Category 2 - Eye Irrit. 2; H319
Skin Corrosion/Irritation, Category 2 - Skin Irrit. 2; H315
Skin Sensitization, Category 1B - Skin Sens. 1B; 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

DANGER.

Symbols:

GHS02 (Flame) | GHS07 (Exclamation mark) |

Pictograms



Ingredients:

Ingredient	CAS Nbr	% by Wt
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	42594-17-2	35 - 45
Methyl methacrylate	80-62-6	30 - 40
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2	10 - 17

HAZARD STATEMENTS:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H315	Causes skin 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:

P210A	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261A	Avoid breathing vapours.
P280E	Wear protective gloves.

Response:

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

Disposal:

P501	Dispose of contents/container in accordance with applicable local/regional/national/international regulations.
------	--

3M™ ESPE™ SINFONY™ OPAQUER LIQUID**2.3. Other hazards**

For information on hazards and safe use, please consider the corresponding sections of this document.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	42594-17-2	255-901-3	35 - 45	Skin Sens. 1B, H317; Aquatic Chronic 3, H412 (Self Classified)
Methyl methacrylate	80-62-6	201-297-1	30 - 40	Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335 - Nota D (CLP)
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2	299-602-6	10 - 17	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 (Self Classified)
Vinyl chloride-vinyl acetate polymer	9003-22-9		5 - 10	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (REACH Reg. No.:01-2119972295-29)	75980-60-8	278-355-8	1 - 2.9	Repr. 2, H361f (CLP) Aquatic Chronic 2, H411 (Self Classified)
N,N-dibutylphenethylamine hydrochloride	14180-18-8	238-036-6	1.5	Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H336 (Self Classified)

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

See Section 11.1 Information on toxicological effects

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 flammable liquids such as dry chemical or carbon dioxide to extinguish.

5.2. Special hazards arising from the substance or mixture

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

Hazardous Decomposition or By-Products**Substance**

Acetic acid
Carbon monoxide.
Carbon dioxide.
Hydrogen Chloride
Irritant vapours or gases.

Condition

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

5.3. Advice for fire-fighters

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal 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**

A no-touch technique is recommended. If skin contact occurs, wash skin with soap and water. Acrylates may penetrate commonly-used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (eg. gloves, respirators...) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapour accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store away from heat. Store away from acids. Store away from oxidising agents.

7.3. Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Methyl methacrylate	80-62-6	UK HSC	TWA:208 mg/m ³ (50 ppm);STEL:416 mg/m ³ (100 ppm)	

UK HSC : UK Health and Safety Commission

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

Biological limit values

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

8.2. Exposure controls

8.2.1. Engineering controls

Use in a well-ventilated area.

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.

Skin/hand protection

See Section 7.1 for additional information on skin protection.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Liquid.
Appearance/Odour	Acrylic odor, yellow in colour
Odour threshold	No data available.
pH	Not applicable.

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

Boiling point/boiling range	101 °C
Melting point	<i>Not applicable.</i>
Flammability (solid, gas)	Not applicable.
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	10 °C [<i>Test Method:</i> Closed Cup]
Autoignition temperature	>=221.1 °C
Flammable Limits(LEL)	2.1 % volume
Flammable Limits(UEL)	12.5 %
Vapour pressure	3,733 Pa
Relative density	1 - 1.1 [<i>Ref Std:</i> WATER=1]
Water solubility	Nil
Solubility- non-water	<i>No data available.</i>
Partition coefficient: n-octanol/water	<i>No data available.</i>
Evaporation rate	<i>No data available.</i>
Vapour density	<i>No data available.</i>
Decomposition temperature	<i>No data available.</i>
Viscosity	50 - 150 mPa-s
Density	1 - 1.1 g/ml

9.2. Other information

Molecular weight	<i>No data available.</i>
Percent volatile	<i>No data available.</i>

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

10.4 Conditions to avoid

Heat.

Sparks and/or flames.

10.5 Incompatible materials

None known.

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

3M assessments.

11.1 Information on Toxicological effects

Signs and Symptoms of Exposure

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

Inhalation

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

Skin contact

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

Eye contact

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

Ingestion

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

Additional Health Effects:

Prolonged or repeated exposure may cause target organ effects:

Olfactory effects: Signs/symptoms may include decreased ability to detect odours and complete loss of smell.

Reproductive/Developmental Toxicity:

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

Toxicological Data

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

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	Ingestion	Rat	LD50 15,400 mg/kg
Methyl methacrylate	Dermal	Rabbit	LD50 > 5,000 mg/kg
Methyl methacrylate	Inhalation-Vapour (4 hours)	Rat	LC50 29 mg/l
Methyl methacrylate	Ingestion	Rat	LD50 7,900 mg/kg
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	Ingestion	similar compounds	LD50 estimated to be > 5,000 mg/kg
Vinyl chloride-vinyl acetate polymer	Dermal	Rabbit	LD50 > 8,000 mg/kg
Vinyl chloride-vinyl acetate polymer	Ingestion	Rat	LD50 > 8,000 mg/kg
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Dermal	Professional	LD50 estimated to be > 5,000 mg/kg

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

		judgement	
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Ingestion	Rat	LD50 > 5,000 mg/kg
N,N-dibutylphenethylamine hydrochloride	Ingestion	Rat	LD50 520 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	Rabbit	No significant irritation
Methyl methacrylate	Human and animal	Mild irritant
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Rabbit	No significant irritation
N,N-dibutylphenethylamine hydrochloride	Rabbit	Minimal irritation

Serious Eye Damage/Irritation

Name	Species	Value
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	Rabbit	Mild irritant
Methyl methacrylate	Rabbit	Moderate irritant
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Rabbit	No significant irritation
N,N-dibutylphenethylamine hydrochloride	Rabbit	Severe irritant

Skin Sensitisation

Name	Species	Value
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	Guinea pig	Sensitising
Methyl methacrylate	Human and animal	Sensitising
N,N-dibutylphenethylamine hydrochloride	Guinea pig	Not sensitising

Respiratory Sensitisation

Name	Species	Value
Methyl methacrylate	Human	Some positive data exist, but the data are not sufficient for classification

Germ Cell Mutagenicity

Name	Route	Value
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	In Vitro	Not mutagenic
Methyl methacrylate	In vivo	Not mutagenic
Methyl methacrylate	In Vitro	Some positive data exist, but the data are not sufficient for classification
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	In Vitro	Not mutagenic
N,N-dibutylphenethylamine hydrochloride	In Vitro	Not mutagenic

Carcinogenicity

Name	Route	Species	Value
Methyl methacrylate	Ingestion	Rat	Not carcinogenic
Methyl methacrylate	Inhalation	Human and animal	Not carcinogenic

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

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

Name	Route	Value	Species	Test result	Exposure Duration
Methyl methacrylate	Inhalation	Not toxic to male reproduction	Mouse	NOAEL 36.9 mg/l	
Methyl methacrylate	Inhalation	Not toxic to development	Rat	NOAEL 8.3 mg/l	during organogenesis
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Ingestion	Toxic to male reproduction	Rat	NOAEL 100 mg/kg/day	90 days

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

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Methyl methacrylate	Inhalation	respiratory irritation	May cause respiratory irritation	Human	NOAEL Not available	occupational exposure
N,N-dibutylphenethylamine hydrochloride	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Rat	LOAEL 100 mg/kg	14 days

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Methyl methacrylate	Dermal	peripheral nervous system	Some positive data exist, but the data are not sufficient for classification	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	Some positive data exist, but the data are not sufficient for classification	Multiple animal species	NOAEL Not available	14 weeks
Methyl methacrylate	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Mouse	NOAEL 12.3 mg/l	14 weeks
Methyl methacrylate	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Human	NOAEL Not available	occupational exposure
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Ingestion	skin blood liver kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,000 mg/kg/day	90 days
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	Ingestion	nervous system	All data are negative	Rat	NOAEL 1,000 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.

SECTION 12: Ecological information

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

12.1. Toxicity

No product test data available.

Material	CAS Nbr	Organism	Type	Exposure	Test endpoint	Test result
----------	---------	----------	------	----------	---------------	-------------

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

(Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate	42594-17-2	Water flea	Experimental	48 hours	EC50	57 mg/l
Methyl methacrylate	80-62-6	Green algae	Experimental	96 hours	EC50	170 mg/l
Methyl methacrylate	80-62-6	Bluegill	Experimental	96 hours	LC50	191 mg/l
Methyl methacrylate	80-62-6	Water flea	Experimental	48 hours	EC50	69 mg/l
Methyl methacrylate	80-62-6	Water flea	Experimental	21 days	NOEC	37 mg/l
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8		Data not available or insufficient for classification			
2-Propenoic acid, [[[acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2		Data not available or insufficient for classification			
N,N-dibutylphenethylamine hydrochloride	14180-18-8		Data not available or insufficient for classification			
Vinyl chloride-vinyl acetate polymer	9003-22-9		Data not available or insufficient for classification			

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
2-Propenoic acid, [[[acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2	Estimated Photolysis		Photolytic half-life (in air)	1.2 days (t 1/2)	Other methods
Methyl methacrylate	80-62-6	Estimated Photolysis		Photolytic half-life (in air)	1.23 days (t 1/2)	Other methods
Vinyl chloride-vinyl acetate polymer	9003-22-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Diphenyl(2,4,6-	75980-60-8	Estimated Biodegradation	28 days	BOD	<20 % weight	OECD 301F - Manometric

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

trimethylbenzoylphosphine oxide						respirometry
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2	Estimated Biodegradation	28 days	BOD	26 % weight	OECD 301F - Manometric respirometry
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	42594-17-2	Estimated Biodegradation	28 days	BOD	27 % weight	OECD 301F - Manometric respirometry
Methyl methacrylate	80-62-6	Experimental Biodegradation	28 days	BOD	88 % weight	OECD 301D - Closed bottle test
N,N-dibutylphenethylamine hydrochloride	14180-18-8	Modeled Biodegradation	28 days	BOD	4 % weight	OECD 301C - MITI test (I)

12.3 : Bioaccumulative potential

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Vinyl chloride-vinyl acetate polymer	9003-22-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
2-Propenoic acid, [[(acetyloxy)methyl]octahydro-4,7-methano-1H-indenyl]methyl ester	93893-14-2	Estimated Bioconcentration		Bioaccumulation factor	8.0	Estimated: Bioconcentration factor
(Octahydro-4,7-methano-1H-indenediyl)bis(methylene) diacrylate	42594-17-2	Estimated Bioconcentration		Bioaccumulation factor	232	Estimated: Bioconcentration factor
N,N-dibutylphenethylamine hydrochloride	14180-18-8	Modeled Bioconcentration		Bioaccumulation factor	5	Estimated: Bioconcentration factor
Methyl	80-62-6	Experimental		Log Kow	1.38	Other methods

3M™ ESPE™ SINFONY™ OPAQUER LIQUID

methacrylate		Bioconcentration				
--------------	--	------------------	--	--	--	--

12.4. Mobility in soil

Please contact manufacturer for more details

12.5. Results of the PBT and vPvB assessment

No information available at this time, contact manufacturer for more details

12.6. Other adverse effects

No information available.

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

See Section 11.1 Information on toxicological effects

Incinerate in a permitted waste incineration facility. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. As a disposal alternative, utilize an acceptable permitted waste disposal facility.

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)

180106* Chemicals consisting of or containing dangerous substances.

SECTION 14: Transportation information

70-2011-0736-7

ADR/RID: DANGEROUS GOODS IN EXCEPTED QUANTITIES, CLASS 3, II, (--).

IMDG-CODE: UN1247, METHYL METHACRYLATE MONOMER, STABILIZED, 3, II, IMDG-Code segregation code: NONE, Dangerous Goods in excepted Quantities, EMS: FE,SD.

ICAO/IATA: DANGEROUS GOODS IN EXCEPTED QUANTITIES OF CLASS 3, UN1247, II.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Carcinogenicity**

<u>Ingredient</u>	<u>CAS Nbr</u>	<u>Classification</u>	<u>Regulation</u>
Methyl methacrylate	80-62-6	Gr. 3: Not classifiable	International Agency for Research on Cancer
Vinyl chloride-vinyl acetate polymer	9003-22-9	Gr. 3: Not classifiable	International Agency for Research on Cancer

Global inventory status

Contact 3M for more information. The components of this product are in compliance with the new substance notification requirements of CEPA.

15.2. Chemical Safety Assessment

Not applicable

SECTION 16: Other information**List of relevant H statements**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Revision information:

No revision information

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except as required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.

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