Safety Data Sheet

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

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

1.1. Product identifier

3M Scotch-Weld TL70 Anaerobic Threadlocker

Product identification numbers

GS-2000-4405-4	GS-2000-4406-2	GS-2000-4407-0	GS-2000-4477-3	GS-2000-4478-1
GS-2000-4496-3	GS-2000-4636-4	GS-2000-4637-2	GS-2000-4695-0	GS-2000-4992-1
GS-2000-4993-9	GS-2000-4994-7	GS-2000-4995-4	GS-2000-4996-2	GS-2000-5025-9
GS-2000-5309-7	GS-2000-5331-1			

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

Identified uses

Structural adhesive.

1.3. Details of the supplier of the substance or mixture

Address: 3M United Kingdom PLC, 3M Centre, Cain Road, Bracknell, Berkshire, RG12 8HT.

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

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive
Indication of danger
Irritant.
Sensitising

2.2. Label elements

Dangerous substances(67/548/EEC)/preparations(1999/45/EC) directive

Symbols
Xi Irritant.

Contains:
2-Hydroxypropyl methacrylate; Methacrylic acid, monoester with propane-1,2-diol; 2,2'-Ethylenedioxydiethyl dimethacrylate

Risk phrases
R36/37/38 Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.

Safety phrases
S24 Avoid contact with skin.
S37 Wear suitable gloves.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EU Inventory	% by Wt	Classification
2,2'-Ethylenedioxydiethyl dimethacrylate	109-16-0	EINECS 203-652-6	40 - 70	R43 (Self Classified) Skin Sens. 1, H317; Aquatic Acute 1, H400,M=1; Aquatic Chronic 3, H412 (Self Classified)
Polyester resin	Trade Secret		15 - 40	
Methacrylic acid, monoester with propane-1,2-diol	27813-02-1	EINECS 248-666-3	1 - 5	Xi:R36-37; R43 (Vendor) Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 (Vendor)
α,α-Dimethylbenzyl hydroperoxide	80-15-9	EINECS 201-254-7	1 - 5	O:R7; T:R23; C:R34; Xn:R21-22-48/20; Xn:R48/22; N:R51/53 (EU) Org. Perox. EF, H242; Acute Tox. 2, H330; Acute Tox. 3, H311; Acute Tox. 4, H302; Skin Corr. 1B, H314; STOT SE 3, H335; STOT RE 1, H372; Aquatic Chronic 2, H411 (CLP)
Acrylic acid	79-10-7	EINECS 201-177-9	1 - 5	C:R35; Xn:R20-21-22; N:R50; R10 - Nota D (EU) Flam. Liq. 3, H226; Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 4, H302; Skin Corr. 1A, H314; STOT SE 3, H335; Aquatic Acute 1, H400,M=1 - Nota D (CLP)
2-Hydroxypropyl methacrylate	923-26-2	EINECS 213-090-3	1 - 5	Xi:R36; R43 - Nota C,D (EU)

				Eye Irrit. 2, H319; Skin Sens. 1, H317 - Nota C,D (CLP)
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	EINECS 201-321-0	0.5 - 1.5	
Cumene	98-82-8	EINECS 202-704-5	0.1 - 1	Xn:R65; Xi:R37; N:R51/53; R10 - Nota 4 (EU) Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H335; Aquatic Chronic 2, H411 - Nota C (CLP)
2'-Phenylacetohydrazide	114-83-0	EINECS 204-055-3	0.1 - 1	Xi:R36-37-38; R43 (Vendor) Xn:R21-22 (Self Classified) Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 (Vendor) Acute Tox. 3, H311; Acute Tox. 3, H301 (Self Classified)
N,N-Dimethyl-p-toluidine	99-97-8	EINECS 202-805-4	0.05 - 0.99	T:R23-24-25; R33; R52/53 - Nota C (EU) Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; STOT RE 2, H373; Aquatic Chronic 3, H412 - Nota C (CLP)
Optical brightener	Trade Secret		0.05 - 0.15	

Please see section 16 for the full text of any R phrases and H statements referred to in this section
Please refer to section 15 for the any applicable Notas that have been applied to the above components

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

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

Inhalation
Remove person to fresh air. If you feel unwell, 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 or gases such as dry chemical or carbon dioxide.

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	Condition
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Oxides of nitrogen.	During combustion.
Oxides of sulphur.	During combustion.

5.3. Advice for fire-fighters
No unusual fire or explosion hazards are anticipated.

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

6.3. Methods and material for containment and cleaning up
Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability 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 or professional use only. 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.)

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Keep container tightly closed. Store away from heat. Protect from sunlight. 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

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
Cumene	98-82-8	Health and Safety Comm. (UK)	TWA:125 mg/m³(25 ppm);STEL:250 mg/m³(50 ppm)	Skin Notation

Health and Safety Comm. (UK) : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
ppm: parts per million
mg/m³: milligrams per cubic metre
CEIL: Ceiling

8.2. Exposure controls

8.2.1. Engineering controls
Curing enclosures must be exhausted to outdoors or to a suitable emission control device. 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

Wear eye/face protection.
The following eye protection(s) are recommended: Safety glasses with side shields.
Indirect vented goggles.

Skin/hand protection

Wear protective gloves.
Gloves made from the following material(s) are recommended: Butyl rubber.
Fluoroelastomer
Neoprene.
Nitrile rubber.
Polymer laminate

Respiratory protection

In case of inadequate ventilation wear respiratory protection.
Select one of the following approved respirators based on airborne concentration of contaminants and in accordance with regulations:
Half face piece or full face air-purifying respirator with organic vapour cartridges.
Half facepiece or fullface pressure demand self-contained breathing apparatus.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Specific Physical Form:	Thixotropic liquid.
Appearance/Odour	Green liquid. Slightly sweet odour.
pH	*Not applicable.*
Boiling point/boiling range	>=204.4 ºC
Melting point	*Not applicable.*
Flammability (solid, gas)	Not classified
Explosive properties	Not classified
Oxidising properties	Not classified
Flash point	>=100 ºC [*Test Method:*Closed Cup]
Flammable Limits(LEL)	*No data available.*
Flammable Limits(UEL)	*No data available.*
Vapour pressure	<=13.3 Pa [@ 20 ºC]
Relative density	1.04 [*Ref Std:*WATER=1]
Water solubility	Slight (less than 10%)
Partition coefficient: n-octanol/water	*No data available.*
Evaporation rate	*No data available.*
Evaporation rate	Negligible
Vapour density	1.01 [*Ref Std:*AIR=1]
Viscosity	0.5 Pa-s [@ 23 ºC]
Density	1.04 g/ml

9.2. Other information

Hazardous air pollutants	1.6 - 1.7 % weight
Volatile organic compounds (VOC)	*No data available.*
VOC less H2O & exempt solvents	*No data available.*

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 may occur. May occur in large quantities only.

10.4 Conditions to avoid
Heat.
Light.

10.5 Incompatible materials
Strong oxidising agents.

Avoid temperatures in excess of 65 °C. Avoid contamination.

10.6 Hazardous decomposition products

Substance	Condition
None known.	

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labelling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

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:

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

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

Inhalation
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause target organ effects after inhalation.

Ingestion
Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause target organ effects after ingestion.

Target Organ Effects:
Prolonged or repeated exposure may cause:

Neurological effects: Signs/symptoms may include personality changes, lack of coordination, sensory loss, tingling or numbness of the extremities, weakness, tremors, and changes in blood pressure and heart rate. Respiratory effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish coloured skin (cyanosis), sputum production, changes in lung function tests, and respiratory failure.

Toxicological Data

Acute Toxicity

Name	Route	Species	Value	UN GHS Classification
Overall product	Ingestion		No test data available; calculated ATE >5000 mg/kg	Not classified (28.9% unknown)
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Rat	LD50 10837 mg/kg	Not classified
2-Hydroxypropyl methacrylate	Ingestion	Rat	LD50 > 2,000 mg/kg	Not classified
Methacrylic acid, monoester with propane-1,2-diol	Dermal	Rabbit	LD50 > 5,000 mg/kg	Not classified
Methacrylic acid, monoester with propane-1,2-diol	Ingestion	Rat	LD50 11200 mg/kg	Not classified
Acrylic acid	Dermal	Rabbit	LD50 295 mg/kg	Category3
Acrylic acid	Inhalation-Vapor (4 hours)	Rat	LC50 4 mg/l	Category3

Acrylic acid	Ingestion	Rat	LD50 1250 mg/kg	Category4
α,α-Dimethylbenzyl hydroperoxide	Dermal	Rat	LD50 500 mg/kg	Category3
α,α-Dimethylbenzyl hydroperoxide	Inhalation-Vapor (4 hours)	Rat	LC50 1 mg/l	Category2
α,α-Dimethylbenzyl hydroperoxide	Ingestion	Rat	LD50 382 mg/kg	Category4
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	Ingestion	Mouse	LD50 17000 mg/kg	Not classified
2'-Phenylacetohydrazide	Dermal		LD50 estimated to be 200 - 1000 mg/kg	Category3
2'-Phenylacetohydrazide	Ingestion	Mouse	LD50 270 mg/kg	Category3
Cumene	Dermal	Rabbit	LD50 > 3160 mg/kg	Category5
Cumene	Inhalation-Vapor (4 hours)	Rat	LC50 39 mg/l	Category5
Cumene	Ingestion	Rat	LD50 1400 mg/kg	Category4
N,N-Dimethyl-p-toluidine	Dermal	Rabbit	LD50 > 2,000 mg/kg	Category5
Optical brightener	Dermal	Rabbit	LD50 > 2,000 mg/kg	Category5
N,N-Dimethyl-p-toluidine	Inhalation-Dust/Mist (4 hours)	Rat	LC50 1 mg/l	Category4
N,N-Dimethyl-p-toluidine	Ingestion	Rat	LD50 1650 mg/kg	Category4
Optical brightener	Ingestion	Rat	LD50 > 2,000 mg/kg	Category5

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be irritant	Category 2
2,2'-Ethylenedioxydiethyl dimethacrylate		Mild irritant	Category 3
2-Hydroxypropyl methacrylate		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
Acrylic acid		Corrosive	Category 1B
α,α-Dimethylbenzyl hydroperoxide		Corrosive	Category 1C
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
2'-Phenylacetohydrazide		No data available	
Cumene		Minimal irritation	Not classified
N,N-Dimethyl-p-toluidine		No data available	
Optical brightener		No data available	

Serious Eye Damage/Irritation

Name	Species	Value	UN GHS Classification
Overall product		No test data available; calculated to be severe irritant	Category 2A
2,2'-Ethylenedioxydiethyl dimethacrylate		Moderate irritant	Category 2B
2-Hydroxypropyl methacrylate		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
Acrylic acid		Corrosive	Category 1

α,α-Dimethylbenzyl hydroperoxide		Severe irritant	Category 2A
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
2'-Phenylacetohydrazide		No data available	
Cumene		Mild irritant	Not classified
N,N-Dimethyl-p-toluidine		No data available	
Optical brightener		No data available	

Skin Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Category 1 based on component data
2,2'-Ethylenedioxydiethyl dimethacrylate		Sensitising	Category 1
2-Hydroxypropyl methacrylate		No data available	
Methacrylic acid, monoester with propane-1,2-diol		Sensitising	Category 1
Acrylic acid		Some positive data exist, but the data are not sufficient for classification	Not classified
α,α-Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
2'-Phenylacetohydrazide		No data available	
Cumene		Not sensitizing	Not classified
N,N-Dimethyl-p-toluidine		No data available	
Optical brightener		No data available	

Respiratory Sensitisation

Name	Species	Value	UN GHS Classification
Overall product		No test data available.	Not classified based on component data
2,2'-Ethylenedioxydiethyl dimethacrylate		No data available	
2-Hydroxypropyl methacrylate		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
Acrylic acid		No data available	
α,α-Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
2'-Phenylacetohydrazide		No data available	
Cumene		No data available	
N,N-Dimethyl-p-toluidine		No data available	
Optical brightener		No data available	

Germ Cell Mutagenicity

Name	Route	Value	UN GHS Classification
Overall product		No data available	Overall Germ Cell Mutagenicity classificationNot classified
Overall product		No test data available.	
2,2'-Ethylenedioxydiethyl dimethacrylate	In Vitro	Some positive data exist, but the data are not	Not classified

		sufficient for classification	
2-Hydroxypropyl methacrylate		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
Acrylic acid	In Vitro	Some positive data exist, but the data are not sufficient for classification	Not classified
α,α-Dimethylbenzyl hydroperoxide	In vivo	Not mutagenic	Not classified
α,α-Dimethylbenzyl hydroperoxide	In Vitro	Some positive data exist, but the data are not sufficient for classification	Not classified
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
2'-Phenylacetohydrazide		No data available	
Cumene	In Vitro	Not mutagenic	Not classified
Cumene	In vivo	Not mutagenic	Not classified
N,N-Dimethyl-p-toluidine		No data available	
Optical brightener		No data available	

Carcinogenicity

Name	Route	Species	Value	UN GHS Classification
Overall product			No test data available.	Not classified based on component data
2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal		Not carcinogenic	Not classified
2-Hydroxypropyl methacrylate			No data available	
Methacrylic acid, monoester with propane-1,2-diol			No data available	
Acrylic acid	Ingestion		Not carcinogenic	Not classified
Acrylic acid	Dermal		Some positive data exist, but the data are not sufficient for classification	Not classified
α,α-Dimethylbenzyl hydroperoxide			No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available	
2'-Phenylacetohydrazide			No data available	
Cumene			No data available	
N,N-Dimethyl-p-toluidine			No data available	
Optical brightener			No data available	

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product		No test data available.				Not classified based on component data
2,2'-Ethylenedioxydiethyl dimethacrylate	Ingestion	Not toxic to reproduction and/or development		NOAEL 1 mg/kg/day		

2-Hydroxypropyl methacrylate		No data available				
Methacrylic acid, monoester with propane-1,2-diol		No data available				
Acrylic acid	Inhalation	Not toxic to reproduction and/or development		NOAEL 1.08 mg/l		
Acrylic acid	Ingestion	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 53 mg/kg/day		
α,α-Dimethylbenzyl hydroperoxide		No data available				
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available				
2'-Phenylacetohydrazide		No data available				
Cumene	Ingestion	Not toxic to reproduction and/or development		NOAEL 769 mg/kg/day		
Cumene	Inhalation	Some positive reproductive/developmental data exist, but the data are not sufficient for classification		NOEL 5.9 mg/l		
N,N-Dimethyl-p-toluidine		No data available				
Optical brightener		No data available				

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal	blood	All data are negative		NOAEL N/A		Not classified
2-Hydroxypropyl methacrylate			No data available				
Methacrylic acid, monoester			No data available				

with propane-1,2-diol							
Acrylic acid	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		RD50 1.5 mg/l		Not classified
α,α-Dimethylbenzyl hydroperoxide	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
α,α-Dimethylbenzyl hydroperoxide	Inhalation	respiratory irritation	May cause respiratory irritation		Irritation Positive		Category 3
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available				
2'-Phenylacetohydrazide			No data available				
Cumene	Inhalation	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
Cumene	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification		Irritation Positive		Not classified
Cumene	Ingestion	central nervous system depression	May cause drowsiness or dizziness		NOAEL N/A		Category 3
N,N-Dimethyl-p-toluidine			No data available				
Optical brightener			No data available				

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration	UN GHS Classification
Overall product			No test data available.				Category 1 based on component data

2,2'-Ethylenedioxydiethyl dimethacrylate	Dermal	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL N/A		Not classified
2-Hydroxypropyl methacrylate			No data available				
Methacrylic acid, monoester with propane-1,2-diol			No data available				
Acrylic acid			No data available				
α,α-Dimethylbenzyl hydroperoxide	Inhalation	nervous system | respiratory system	Some positive data exist, but the data are not sufficient for classification				Not classified
α,α-Dimethylbenzyl hydroperoxide	Inhalation	heart | liver | kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOAEL 0.03 mg/l		Not classified
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available				
2'-Phenylacetohydrazide			No data available				
Cumene	Inhalation	auditory system | endocrine system	Some positive data exist, but the data are not sufficient for classification		NOEL 24.4 mg/l		Not classified
Cumene	Inhalation	hematopoietic system | liver | nervous system	Some positive data exist, but the data are not sufficient for classification		NOEL 4.9 mg/l		Not classified
Cumene	Inhalation	eyes	Some positive data exist, but the data are not sufficient for classification		LOEL 4.9 mg/l		Not classified
Cumene	Inhalation	kidney and/or bladder	Some positive data exist, but the data are not sufficient for		NOEL 4.9 mg/l		Not classified

			classification				
Cumene	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification		NOEL 24.4 mg/l		Not classified
Cumene	Ingestion	kidney and/or bladder	Some positive data exist, but the data are not sufficient for classification		NOEL 154 mg/kg/day		Not classified
Cumene	Ingestion	heart | endocrine system | hematopoietic system | liver | respiratory system	All data are negative		NOAEL 769 mg/kg/day		Not classified
N,N-Dimethyl-p-toluidine			No data available				
Optical brightener			No data available				

Aspiration Hazard

Name	Value	UN GHS Classification
Overall product	No test data available.	Not classified based on component and/or viscosity data
2,2'-Ethylenedioxydiethyl dimethacrylate	Not an aspiration hazard	Not classified
2-Hydroxypropyl methacrylate	Not an aspiration hazard	Not classified
Methacrylic acid, monoester with propane-1,2-diol	Not an aspiration hazard	Not classified
Acrylic acid	Not an aspiration hazard	Not classified
α,α-Dimethylbenzyl hydroperoxide	Not an aspiration hazard	Not classified
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	Not an aspiration hazard	Not classified
2'-Phenylacetohydrazide	Not an aspiration hazard	Not classified
Cumene	Aspiration hazard	Category 1
N,N-Dimethyl-p-toluidine	Not an aspiration hazard	Not classified
Optical brightener	Not an aspiration hazard	Not classified

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 be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labelling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:
GHS Acute 3: Harmful to aquatic life.

Chronic aquatic hazard:
Not chronically toxic to aquatic life by GHS criteria.

No product test data available.
No component test data available.

12.2. Persistence and degradability
No test data available.

12.3 : Bioaccumulative potential
No test data available.

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

Dispose of waste product in a facility permitted to accept chemical waste.

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

GS-2000-4405-4, GS-2000-4406-2, GS-2000-4407-0, GS-2000-4477-3, GS-2000-4478-1, GS-2000-4496-3, GS-2000-4636-4, GS-2000-4637-2, GS-2000-4695-0, GS-2000-4992-1, GS-2000-4993-9, GS-2000-4994-7, GS-2000-4995-4, GS-2000-4996-2, GS-2000-5025-9, GS-2000-5309-7, GS-2000-5331-1

Not hazardous for transportation

SECTION 15: Regulatory information

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

Carcinogenicity

Ingredient	CAS Nbr	Classification	Regulation
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	Gr. 3: Not classifiable	International Agency for Research on Cancer
Acrylic acid	79-10-7	Gr. 3: Not classifiable	International Agency for Research on Cancer

Global inventory status
Contact 3M for more information.

15.2. Chemical Safety Assessment
Not applicable

SECTION 16: Other information

List of relevant H statements

H226	Flammable liquid and vapour.
H242	Heating may cause a fire.
H301	Toxic if swallowed.
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.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

List of relevant R-phrases

R10	Flammable.
R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R23	Toxic by inhalation.
R24	Toxic in contact with skin.
R25	Toxic if swallowed.
R33	Danger of cumulative effects.
R34	Causes burns.
R35	Causes severe burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
R65	Harmful: May cause lung damage if swallowed.
R7	May cause fire.

Revision information:
Revision Changes:
Sectio 16: UK disclaimer was modified.
Section 3: Composition/ Information of ingredients table was modified.
Copyright was modified.
Aspiration Hazard Table was modified.
Section 11: Acute Toxicity table was modified.
Carcinogenicity Table was modified.
Serious Eye Damage/Irritation Table was modified.
Germ Cell Mutagenicity Table was modified.
Skin Sensitisation Table was modified.
Reproductive Toxicity Table was modified.
Skin Corrosion/Irritation Table was modified.
Target Organs - Repeated Table was modified.
Target Organs - Single Table was modified.
Section 11: Health Effects - Skin information was modified.
Section 11: Health Effects - Inhalation information was modified.
Section 11: Health Effects - Ingestion information was modified.
Section 11: Health Effects - Other information was modified.
Section 5: Fire - Extinguishing media information was modified.
Section 5: Fire - Special hazards information was modified.
Section 6: Accidental release personal information was modified.
Section 6: Accidental release environmental information was modified.
Section 6: Accidental release clean-up information was modified.
Section 7: Precautions safe handling information was modified.
Section 7: Conditions safe storage was modified.
Section 8: Appropriate Engineering controls information was modified.
Section 13: Standard Phrase Category Waste GHS was modified.
Section 12: Acute aquatic hazard information was added.
Section 12: Chronic aquatic hazard heading was added.
Section 12: Acute aquatic hazard heading was added.
Section 12: Chronic aquatic hazard information was added.
Section 8: Personal Protection - Respiratory Information was added.

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