



## 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 TL22 Anaerobic Threadlocker

#### Product identification numbers

GS-2000-4427-8      GS-2000-4464-1      GS-2000-4556-4

#### 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

Dangerous to environment.

Irritant.

Sensitising

#### 2.2. Label elements

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

##### Symbols

**3M Scotch-Weld TL22 Anaerobic Threadlocker**

Xi Irritant.  
N Dangerous to environment.

**Contains:**

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

**Risk phrases**

R36/37/38 Irritating to eyes, respiratory system and skin.  
R43 May cause sensitisation by skin contact.  
R50 Very toxic to aquatic organisms.

**Safety phrases**

S24 Avoid contact with skin.  
S37 Wear suitable gloves.  
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**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	30 - 60	R43 (Self Classified)  Skin Sens. 1, H317 (Self Classified)
Bis(isopropyl)naphthalene	38640-62-9	EINECS 254-052-6	30 - 60	N:R50 (Self Classified)
Polyester resin	Trade Secret		5 - 10	
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)
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)
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	68909-20-6	EINECS 272-697-1	1 - 5	
$\alpha,\alpha$ -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)
Maleic Acid	110-16-7	EINECS 203-742-5	0.5 - 1.5	Xn:R22; Xi:R36-37-38; R43 (EU)

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				Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335 (CLP)
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	81-07-2	EINECS 201-321-0	0.5 - 1.5	
Acrylic acid	79-10-7	EINECS 201-177-9	0.5 - 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'-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)
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)
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	
4-Methoxyphenol	150-76-5	EINECS 205-769-8	0.05 - 0.15	Xn:R22; Xi:R36; R43 (EU)  Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1, H317 (CLP)

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.

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### **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 ordinary combustible material such as water or foam.

### **5.2. Special hazards arising from the substance or mixture**

None inherent in this product.

### **Hazardous Decomposition or By-Products**

<u>Substance</u>	<u>Condition</u>
Carbon monoxide.	During combustion.
Carbon dioxide.	During combustion.
Oxides of nitrogen.	During combustion.
Oxides of sulphur.	During combustion.
Toxic vapour, gas, particulate.	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**

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. Ventilate the area with fresh air.

### **6.2. Environmental precautions**

Avoid release to the environment.

### **6.3. Methods and material for containment and cleaning up**

Collect as much of the spilled material as possible. Remember, adding an absorbent material does not remove a toxic, corrosivity or flammability hazard. Seal the container.

### **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

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

### 7.2. Conditions for safe storage including any incompatibilities

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/m <sup>3</sup> (25 ppm);STEL:250 mg/m <sup>3</sup> (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/m<sup>3</sup>: milligrams per cubic metre

CELL: Ceiling

### 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

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

Polyvinyl alcohol (PVA).

Polymer laminate

##### 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.

## SECTION 9: Physical and chemical properties

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

<b>Physical state</b>	Liquid.
<b>Specific Physical Form:</b>	Thixotropic liquid.
<b>Appearance/Odour</b>	Opaque, purple; Slightly sweet odour.
<b>pH</b>	<i>Not applicable.</i>
<b>Boiling point/boiling range</b>	$\geq 204.4$ °C
<b>Melting point</b>	<i>Not applicable.</i>
<b>Flammability (solid, gas)</b>	Not classified
<b>Explosive properties</b>	Not classified
<b>Oxidising properties</b>	Not classified
<b>Flash point</b>	$\geq 100$ °C [ <i>Test Method</i> :Closed Cup]
<b>Flammable Limits(LEL)</b>	<i>No data available.</i>
<b>Flammable Limits(UEL)</b>	<i>No data available.</i>
<b>Vapour pressure</b>	$\leq 1.3$ Pa [ <i>@ 20 °C</i> ]
<b>Relative density</b>	1.02 [ <i>Ref Std</i> :WATER=1]
<b>Water solubility</b>	Negligible
<b>Partition coefficient: n-octanol/water</b>	<i>No data available.</i>
<b>Evaporation rate</b>	Negligible
<b>Vapour density</b>	1.01 [ <i>Ref Std</i> :AIR=1]
<b>Viscosity</b>	4 - 6 Pa-s [ <i>@ 23 °C</i> ] [ <i>Test Method</i> :Brookfield]
<b>Density</b>	1.02 g/ml

### 9.2. Other information

<b>Hazardous air pollutants</b>	$\leq 2.5$ % weight
<b>Volatile organic compounds (VOC)</b>	<i>No data available.</i>
<b>VOC less H<sub>2</sub>O &amp; exempt solvents</b>	<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 may occur. May occur in large quantities only.

### 10.4 Conditions to avoid

Heat.

Light.

### 10.5 Incompatible materials

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Strong oxidising agents.

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

### 10.6 Hazardous decomposition products

#### Substance

None known.

#### Condition

## 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

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

#### Inhalation

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

#### Ingestion

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

#### Target Organ Effects:

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
2,2'-Ethylenedioxydiethyl dimethacrylate			No data available	
Bis(isopropyl)naphthalene			No data available	
2-Hydroxypropyl methacrylate			No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica			No data available	

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Methacrylic acid, monoester with propane-1,2-diol			No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide			No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available	
Acrylic acid			No data available	
Maleic Acid			No data available	
2'-Phenylacetohydrazide			No data available	
N,N-Dimethyl-p-toluidine			No data available	
Cumene			No data available	
4-Methoxyphenol			No data available	
Optical brightener			No data available	

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
Bis(isopropyl)naphthalene		No data available	
2-Hydroxypropyl methacrylate		No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
Acrylic acid		No data available	
Maleic Acid		No data available	
2'-Phenylacetohydrazide		No data available	
N,N-Dimethyl-p-toluidine		No data available	
Cumene		No data available	
4-Methoxyphenol		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		No data available	
Bis(isopropyl)naphthalene		No data available	
2-Hydroxypropyl methacrylate		No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		Severe irritant	Category 2A



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1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
Acrylic acid		No data available	
Maleic Acid		No data available	
2'-Phenylacetohydrazide		No data available	
N,N-Dimethyl-p-toluidine		No data available	
Cumene		No data available	
4-Methoxyphenol		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
Bis(isopropyl)naphthalene		No data available	
2-Hydroxypropyl methacrylate		No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
Acrylic acid		No data available	
Maleic Acid		No data available	
2'-Phenylacetohydrazide		No data available	
N,N-Dimethyl-p-toluidine		No data available	
Cumene		No data available	
4-Methoxyphenol		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	
Bis(isopropyl)naphthalene		No data available	
2-Hydroxypropyl methacrylate		No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
Acrylic acid		No data available	
Maleic Acid		No data available	
2'-Phenylacetohydrazide		No data available	
N,N-Dimethyl-p-toluidine		No data available	

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Cumene		No data available	
4-Methoxyphenol		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 classification Not classified
Overall product		No test data available.	
2,2'-Ethylenedioxydiethyl dimethacrylate		No data available	
Bis(isopropyl)naphthalene		No data available	
2-Hydroxypropyl methacrylate		No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available	
Methacrylic acid, monoester with propane-1,2-diol		No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available	
Acrylic acid		No data available	
Maleic Acid		No data available	
2'-Phenylacetohydrazide		No data available	
N,N-Dimethyl-p-toluidine		No data available	
Cumene		No data available	
4-Methoxyphenol		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			No data available	
Bis(isopropyl)naphthalene			No data available	
2-Hydroxypropyl methacrylate			No data available	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica			No data available	
Methacrylic acid, monoester with propane-1,2-diol			No data available	
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide			No data available	
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available	
Acrylic acid			No data available	
Maleic Acid			No data available	
2'-Phenylacetohydrazide			No data available	
N,N-Dimethyl-p-toluidine			No data available	
Cumene			No data available	
4-Methoxyphenol			No data available	

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Optical brightener			No data available	
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**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		No data available				
Bis(isopropyl)naphthalene		No data available				
2-Hydroxypropyl methacrylate		No data available				
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica		No data available				
Methacrylic acid, monoester with propane-1,2-diol		No data available				
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide		No data available				
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide		No data available				
Acrylic acid		No data available				
Maleic Acid		No data available				
2'-Phenylacetohydrazide		No data available				
N,N-Dimethyl-p-toluidine		No data available				
Cumene		No data available				
4-Methoxyphenol		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			No data available				
Bis(isopropyl)naphthalene			No data available				

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2-Hydroxypropyl methacrylate			No data available				
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica			No data available				
Methacrylic acid, monoester with propane-1,2-diol			No data available				
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide			No data available				
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide			No data available				
Acrylic acid			No data available				
Maleic Acid			No data available				
2'-Phenylacetohydrazide			No data available				
N,N-Dimethyl-p-toluidine			No data available				
Cumene			No data available				
4-Methoxyphenol			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			No data available				

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dimethacrylate							
Bis(isopropyl)naphthalene			No data available				
2-Hydroxypropyl methacrylate			No data available				
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica			No data available				
Methacrylic acid, monoester with propane-1,2-diol			No data available				
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide	Inhalation	nervous system   respiratory system	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				
Acrylic acid			No data available				
Maleic Acid			No data available				
2'-Phenylacetohydrazide			No data available				
N,N-Dimethyl-p-toluidine			No data available				
Cumene			No data available				
4-Methoxyphenol			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

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		data
2,2'-Ethylenedioxydiethyl dimethacrylate	Not an aspiration hazard	Not classified
Bis(isopropyl)naphthalene	Not an aspiration hazard	Not classified
2-Hydroxypropyl methacrylate	Not an aspiration hazard	Not classified
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica	Not an aspiration hazard	Not classified
Methacrylic acid, monoester with propane-1,2-diol	Not an aspiration hazard	Not classified
$\alpha,\alpha$ -Dimethylbenzyl hydroperoxide	Not an aspiration hazard	Not classified
1,2-Benzisothiazol-3(2H)-one 1,1-dioxide	Not an aspiration hazard	Not classified
Acrylic acid	Not an aspiration hazard	Not classified
Maleic Acid	Not an aspiration hazard	Not classified
2'-Phenylacetohydrazide	Not an aspiration hazard	Not classified
N,N-Dimethyl-p-toluidine	Not an aspiration hazard	Not classified
Cumene	Not an aspiration hazard	Not classified
4-Methoxyphenol	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**

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

## 3M Scotch-Weld TL22 Anaerobic Threadlocker

As a disposal alternative, 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

## 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>
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

All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS. Contact 3M for more information. The components of this material are in compliance with the China 36Measures on Environmental Management of New Chemical Substance<sup>36</sup>. Certain restrictions may apply. Contact the selling division for additional 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:

Section 15: Carcinogenicity information was modified.

Section 3: Composition/ Information of ingredients table was modified.

DISCLAIMER: The information on this Safety Data Sheet is based on 3M's experience and is correct to the best of 3M's knowledge at the date of publication. 3M does not accept 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](http://www.3M.com/uk)**