



## Safety Information Sheet for Medical Devices

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A safety data sheet is not required for this Product. This Safety Information Sheet has been created on a voluntary basis.

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

#### 1.1. Product identifier

3M™ Clinpro™ Sealant (12622, 12627, 12632, 12637, 12642, 12647)

#### Product Identification Numbers

70-2010-3009-8	70-2010-3152-6	70-2010-3154-2	70-2014-1240-3	70-2014-1241-1
70-2014-1242-9	70-2014-1660-2	70-2014-1662-8		
7100111779	7000054256	7000054257	7100156257	7100156290
7100156319	7100239111	7100239213		

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

##### Identified uses

Medical device; refer to Instructions for Use

##### Restrictions on Use

For use only by dental professionals

#### 1.3 Details of the supplier of the safety information sheet for medical devices

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

The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

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.

This material has been tested for acute dermal toxicity and the test results do not meet the criteria for classification.  
This material has been tested for acute oral toxicity and the test results do not meet the criteria for classification.

This product is a medical device as defined in Directive 93/42/EEC (MDD) respectively Regulation SI 2002 No 618, as amended (UK MDR 2002), 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 the retained CLP Regulation (EC) No. 1272/2008, as amended for Great Britain (Article 1, paragraph 5). Although not required, the classification and label information, as applicable, is provided below.

**CLASSIFICATION:**

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

For full text of H phrases, see Section 16.

**2.2. Label elements**

**The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain**

**SIGNAL WORD**

WARNING.

**Symbols**

GHS07 (Exclamation mark) |

**Pictograms**



**HAZARD STATEMENTS:**

H317 May cause an allergic skin reaction.

**PRECAUTIONARY STATEMENTS**

**Prevention:**

P280E Wear protective gloves.

**Response:**

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

**2.3. Other hazards**

For information on hazards and safe use, please consider the corresponding sections of this document.  
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], as amended for GB
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Triethyleneglycol dimethacrylate (TEGDMA)	(CAS-No.) 109-16-0 (EC-No.) 203-652-6	40 - 50	Skin Sens. 1, H317
Carbosilane surfactant	(EC-No.) 701-308-4	40 - 50	Substance not classified as hazardous
Silane treated silica	(CAS-No.) 68611-44-9 (EC-No.) 271-893-4	5 - 10	Substance with a national occupational exposure limit
Tetrabutylammonium tetrafluoroborate	(CAS-No.) 429-42-5 (EC-No.) 207-058-8	< 5	Substance not classified as hazardous
Triphenylantimony	(CAS-No.) 603-36-1 (EC-No.) 210-037-6	< 0.5	Acute Tox. 4, H332 Aquatic Chronic 2, H411 Nota 1,A Acute Tox. 3, H301
Titanium dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5	< 0.5	Carc. 2, H351 (inhalation)
Stabilizer	(CAS-No.) 123-31-9 (EC-No.) 204-617-8	< 0.05	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
Aromatic amine	(CAS-No.) 10287-53-3 (EC-No.) 233-634-3	< 0.3	Aquatic Chronic 2, H411 Repr. 1B, H360F
Iodonium salt	(CAS-No.) 58109-40-3 (EC-No.) 261-134-5	< 1	Acute Tox. 2, H300

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

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

## **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**

No need for first aid is anticipated.

#### **Eye contact**

Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

#### **If swallowed**

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

## **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. Refer to other sections of this SIS 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. 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 authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SIS. Seal the container. Dispose of collected material as soon as possible.

**SECTION 7: Handling and storage**

Refer to Instructions for Use (IFU) for more information.

**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.

<b>Ingredient</b>	<b>CAS Nbr</b>	<b>Agency</b>	<b>Limit type</b>	<b>Additional comments</b>
Stabilizer	123-31-9	UK HSC	TWA: 0.5 mg/m <sup>3</sup>	
Titanium dioxide	13463-67-7	UK HSC	TWA(respirable):4 mg/m <sup>3</sup> ;TWA(Inhalable):10 mg/m <sup>3</sup>	
Antimony trioxide	603-36-1	UK HSC	TWA(as Sb):0.5 mg/m <sup>3</sup>	
Silicon dioxide	68611-44-9	UK HSC	TWA(as respirable dust):2.4 mg/m <sup>3</sup> ;TWA(as inhalable dust):6 mg/m <sup>3</sup>	

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 information 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.

#### Applicable Norms/Standards

Use eye protection conforming to EN 166

#### 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.
Colour	Transparent Yellow
Odor	Characteristic Odour
Melting point/freezing point	<i>Not applicable.</i>
Boiling point/boiling range	<i>No data available.</i>
Flammability (solid, gas)	Not applicable.
Flammable Limits(LEL)	<i>No data available.</i>
Flammable Limits(UEL)	<i>No data available.</i>
Flash point	Flash point > 93 °C (200 °F)
Autoignition temperature	<i>No data available.</i>
Relative density	1.2 [Ref Std:WATER=1]
pH	
Kinematic Viscosity	<i>Not applicable.</i>
Water solubility	<i>No data available.</i>
Density	1.2 g/ml

### 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>No data available.</i>
Percent volatile	<i>No data available.</i>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non reactive under normal use conditions

### 10.2 Chemical stability

Stable.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

None known.

### 10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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None known.	
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Refer to section 5.2 for hazardous decomposition products during combustion.

## SECTION 11: Toxicological information

The information below may not agree with the 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 hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

#### Signs and Symptoms of Exposure

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

#### Inhalation

This product may have a characteristic odour; however, no adverse health effects are anticipated.

#### 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

Moderate eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

#### Ingestion

Gastrointestinal irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhoea. May cause additional health effects (see below).

#### Additional Health Effects:

#### Reproductive/Developmental Toxicity:

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

#### Carcinogenicity:

Exposures needed to cause the following health effect(s) are not expected during normal, intended use:

Contains a chemical or chemicals which can cause cancer.

**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	Rat	LD50 > 5,000 mg/kg
Overall product	Dermal	similar health hazards	LD50 Not available
Triethyleneglycol dimethacrylate (TEGDMA)	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Triethyleneglycol dimethacrylate (TEGDMA)	Ingestion	Rat	LD50 10,837 mg/kg
Carbosilane surfactant	Dermal	Professional judgement	LD50 estimated to be > 5,000 mg/kg
Carbosilane surfactant	Ingestion	Rat	LD50 > 11,700 mg/kg
Silane treated silica	Dermal	Rabbit	LD50 > 5,000 mg/kg
Silane treated silica	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 0.691 mg/l
Silane treated silica	Ingestion	Rat	LD50 > 5,110 mg/kg
Iodonium salt	Ingestion	Rat	LD50 32 mg/kg
Triphenylantimony	Inhalation-Dust/Mist		LC50 estimated to be 1 - 5 mg/l
Triphenylantimony	Dermal	Rat	LD50 > 2,000 mg/kg
Triphenylantimony	Ingestion	Rat	LD50 82.5 mg/kg
Aromatic amine	Dermal	Rat	LD50 > 2,000 mg/kg
Aromatic amine	Ingestion	Rat	LD50 > 2,000 mg/kg
Titanium dioxide	Dermal	Rabbit	LD50 > 10,000 mg/kg
Titanium dioxide	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 6.82 mg/l
Titanium dioxide	Ingestion	Rat	LD50 > 10,000 mg/kg
Stabilizer	Dermal	Rat	LD50 > 4,800 mg/kg
Stabilizer	Ingestion	Rat	LD50 302 mg/kg

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

Name	Species	Value
Triethyleneglycol dimethacrylate (TEGDMA)	Guinea pig	Mild irritant
Carbosilane surfactant	Rabbit	No significant irritation
Silane treated silica	Rabbit	No significant irritation
Iodonium salt	Rabbit	No significant irritation
Triphenylantimony	Rabbit	Minimal irritation
Aromatic amine	Rabbit	No significant irritation
Titanium dioxide	Rabbit	No significant irritation
Stabilizer	Human and animal	Minimal irritation

**Serious Eye Damage/Irritation**

Name	Species	Value
Triethyleneglycol dimethacrylate (TEGDMA)	Professional judgement	Moderate irritant
Carbosilane surfactant	In vitro data	No significant irritation
Silane treated silica	Rabbit	No significant irritation
Iodonium salt	Rabbit	Mild irritant
Triphenylantimony	Rabbit	Mild irritant
Aromatic amine	Rabbit	No significant irritation
Titanium dioxide	Rabbit	No significant irritation
Stabilizer	Human	Corrosive

**Skin Sensitisation**

Name	Species	Value
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Triethyleneglycol dimethacrylate (TEGDMA)	Human and animal	Sensitising
Carbosilane surfactant	Mouse	Not classified
Silane treated silica	Human and animal	Not classified
Aromatic amine		Not classified
Titanium dioxide	Human and animal	Not classified
Stabilizer	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
Triethyleneglycol dimethacrylate (TEGDMA)	In Vitro	Some positive data exist, but the data are not sufficient for classification
Carbosilane surfactant	In Vitro	Not mutagenic
Silane treated silica	In Vitro	Not mutagenic
Iodonium salt	In Vitro	Some positive data exist, but the data are not sufficient for classification
Aromatic amine	In vivo	Not mutagenic
Aromatic amine	In Vitro	Some positive data exist, but the data are not sufficient for classification
Titanium dioxide	In Vitro	Not mutagenic
Titanium dioxide	In vivo	Not mutagenic
Stabilizer	In Vitro	Some positive data exist, but the data are not sufficient for classification
Stabilizer	In vivo	Some positive data exist, but the data are not sufficient for classification

### Carcinogenicity

Name	Route	Species	Value
Triethyleneglycol dimethacrylate (TEGDMA)	Dermal	Mouse	Not carcinogenic
Silane treated silica	Not specified.	Mouse	Some positive data exist, but the data are not sufficient for classification
Titanium dioxide	Ingestion	Multiple animal species	Not carcinogenic
Titanium dioxide	Inhalation	Rat	Carcinogenic.
Stabilizer	Dermal	Mouse	Not carcinogenic
Stabilizer	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
Triethyleneglycol dimethacrylate (TEGDMA)	Ingestion	Not classified for female reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
Triethyleneglycol dimethacrylate (TEGDMA)	Ingestion	Not classified for male reproduction	Mouse	NOAEL 1 mg/kg/day	1 generation
Triethyleneglycol dimethacrylate (TEGDMA)	Ingestion	Not classified for development	Mouse	NOAEL 1 mg/kg/day	1 generation
Carbosilane surfactant	Ingestion	Not classified for development	Rat	NOAEL 1,000 mg/kg/day	during gestation
Silane treated silica	Ingestion	Not classified for female reproduction	Rat	NOAEL 509 mg/kg/day	1 generation
Silane treated silica	Ingestion	Not classified for male reproduction	Rat	NOAEL 497 mg/kg/day	1 generation
Silane treated silica	Ingestion	Not classified for development	Rat	NOAEL 1,350 mg/kg/day	during organogenesis
Aromatic amine	Ingestion	Not classified for female reproduction	Rat	NOAEL 600 mg/kg/day	prematuring into lactation
Aromatic amine	Ingestion	Not classified for development	Rat	NOAEL 50 mg/kg/day	prematuring into



					lactation
Aromatic amine	Ingestion	Toxic to male reproduction	Rat	NOAEL 50 mg/kg/day	53 days
Stabilizer	Ingestion	Not classified for female reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
Stabilizer	Ingestion	Not classified for male reproduction	Rat	NOAEL 150 mg/kg/day	2 generation
Stabilizer	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
Iodonium salt	Inhalation	respiratory irritation	Not classified	Not available	Irritation Equivocal	
Stabilizer	Ingestion	nervous system	May cause damage to organs	Rat	NOAEL Not available	not applicable
Stabilizer	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
Triethyleneglycol dimethacrylate (TEGDMA)	Dermal	kidney and/or bladder   blood	Not classified	Mouse	NOAEL 833 mg/kg/day	78 weeks
Carbosilane surfactant	Ingestion	endocrine system   hematopoietic system   liver   heart   skin   gastrointestinal tract   bone, teeth, nails, and/or hair   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system	Not classified	Rat	NOAEL 1,000 mg/kg/day	90 days
Silane treated silica	Inhalation	respiratory system   silicosis	Not classified	Human	NOAEL Not available	occupational exposure
Aromatic amine	Ingestion	hematopoietic system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 74 mg/kg/day	28 days
Aromatic amine	Ingestion	liver   heart   endocrine system   gastrointestinal tract   bone, teeth, nails, and/or hair   immune system   muscles   nervous system   eyes   kidney and/or bladder   respiratory system   vascular system	Not classified	Rat	NOAEL 900 mg/kg/day	28 days
Titanium dioxide	Inhalation	respiratory system	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 0.01 mg/l	2 years
Titanium dioxide	Inhalation	pulmonary fibrosis	Not classified	Human	NOAEL Not available	occupational exposure
Stabilizer	Ingestion	blood	Not classified	Rat	NOAEL Not available	40 days
Stabilizer	Ingestion	bone marrow   liver	Not classified	Rat	NOAEL Not available	9 weeks
Stabilizer	Ingestion	kidney and/or bladder	Not classified	Rat	LOAEL 50 mg/kg/day	15 months
Stabilizer	Ocular	eyes	Not classified	Human	NOAEL Not available	occupational exposure

**Aspiration Hazard**

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

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

The product was evaluated by a toxicologist to be safe for its intended use.

## 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 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 #	Organism	Type	Exposure	Test endpoint	Test result
Carbosilane surfactant	701-308-4	Green algae	Endpoint not reached	96 hours	EC50	>100 mg/l
Carbosilane surfactant	701-308-4	Green algae	Experimental	96 hours	EC10	1.1 mg/l
Carbosilane surfactant	701-308-4	Activated sludge	Experimental	3 hours	EC50	>100 mg/l
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Green algae	Experimental	72 hours	ErC50	>100 mg/l
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Zebra Fish	Experimental	96 hours	LC50	16.4 mg/l
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Green algae	Experimental	72 hours	NOEC	18.6 mg/l
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Water flea	Experimental	21 days	NOEC	32 mg/l
Silane treated silica	68611-44-9	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Stabilizer	123-31-9	Activated sludge	Experimental	2 hours	IC50	71 mg/l
Stabilizer	123-31-9	Green algae	Experimental	72 hours	ErC50	0.053 mg/l
Stabilizer	123-31-9	Rainbow trout	Experimental	96 hours	LC50	0.044 mg/l
Stabilizer	123-31-9	Water flea	Experimental	48 hours	EC50	0.061 mg/l
Stabilizer	123-31-9	Fathead minnow	Experimental	32 days	NOEC	>=0.066 mg/l
Stabilizer	123-31-9	Green algae	Experimental	72 hours	NOEC	0.0015 mg/l
Stabilizer	123-31-9	Water flea	Experimental	21 days	NOEC	0.0029 mg/l
Tetrabutylammonium tetrafluoroborate	429-42-5	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Titanium dioxide	13463-67-7	Activated sludge	Experimental	3 hours	NOEC	>=1,000 mg/l
Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	EC50	>10,000 mg/l
Titanium dioxide	13463-67-7	Fathead minnow	Experimental	96 hours	LC50	>100 mg/l

Titanium dioxide	13463-67-7	Water flea	Experimental	48 hours	EC50	>100 mg/l
Titanium dioxide	13463-67-7	Diatom	Experimental	72 hours	NOEC	5,600 mg/l
Triphenylantimony	603-36-1	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
Aromatic amine	10287-53-3	Activated sludge	Experimental	3 hours	EC50	>1,000 mg/l
Aromatic amine	10287-53-3	Green algae	Experimental	72 hours	EL50	2.8 mg/l
Aromatic amine	10287-53-3	Rainbow trout	Experimental	96 hours	LC50	1.9 mg/l
Aromatic amine	10287-53-3	Water flea	Experimental	48 hours	EC50	4.5 mg/l
Aromatic amine	10287-53-3	Green algae	Experimental	72 hours	ErC10	0.71 mg/l
Iodonium salt	58109-40-3	Water flea	Experimental	48 hours	EC50	9.5 mg/l

## 12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Carbosilane surfactant	701-308-4	Experimental Biodegradation	28 days	BOD	21 %BOD/ThOD	similar to OECD 301F
Carbosilane surfactant	701-308-4	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	29 days (t 1/2)	
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Experimental Biodegradation	28 days	CO2 evolution	85 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
Silane treated silica	68611-44-9	Data not available or insufficient	N/A	N/A	N/A	N/A
Stabilizer	123-31-9	Experimental Biodegradation	14 days	BOD	70 %BOD/ThOD	OECD 301C - MITI test (I)
Tetrabutylammonium tetrafluoroborate	429-42-5	Data not available or insufficient	N/A	N/A	N/A	N/A
Titanium dioxide	13463-67-7	Data not available or insufficient	N/A	N/A	N/A	N/A
Triphenylantimony	603-36-1	Analogous Compound Biodegradation	28 days	BOD	<20 %BOD/ThOD	OECD 301F - Manometric respirometry
Aromatic amine	10287-53-3	Experimental Biodegradation	28 days	CO2 evolution	40 %CO2 evolution/THCO2 evolution	OECD 301B - Modified sturm or CO2
Aromatic amine	10287-53-3	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	>1 years (t 1/2)	OECD 111 Hydrolysis func of pH
Iodonium salt	58109-40-3	Data not available or insufficient	N/A	N/A	N/A	N/A

## 12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Carbosilane surfactant	701-308-4	Modeled Bioconcentration		Bioaccumulation factor	292.4	Episuite™
Carbosilane surfactant	701-308-4	Experimental Bioconcentration		Log Kow	4.63	OECD 117 log Kow HPLC method
Triethyleneglycol dimethacrylate (TEGDMA)	109-16-0	Experimental Bioconcentration		Log Kow	2.3	EC A.8 Partition Coefficient
Silane treated silica	68611-44-9	Data not available or insufficient for classification	N/A	N/A	N/A	N/A
Stabilizer	123-31-9	Experimental Bioconcentration		Log Kow	0.59	
Tetrabutylammonium tetrafluoroborate	429-42-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

**3M™ Clinpro™ Sealant (12622, 12627, 12632, 12637, 12642, 12647)**

Titanium dioxide	13463-67-7	Experimental BCF - Fish	42 days	Bioaccumulation factor	9.6	
Triphenylantimony	603-36-1	Estimated Bioconcentration		Log Kow	6.02	Episuite™
Aromatic amine	10287-53-3	Experimental Bioconcentration		Log Kow	3.2	OECD 117 log Kow HPLC method
Iodonium salt	58109-40-3	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

**12.4. Mobility in soil**

Material	Cas No.	Test type	Study Type	Test result	Protocol
Carbosilane surfactant	701-308-4	Experimental Mobility in Soil	Koc	24,000 l/kg	OECD 121 Estim. of Koc by HPLC
Stabilizer	123-31-9	Modeled Mobility in Soil	Koc	40 l/kg	Episuite™
Aromatic amine	10287-53-3	Experimental Mobility in Soil	Koc	560 l/kg	OECD 121 Estim. of Koc by HPLC

**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. Other adverse effects**

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

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

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

Refer to Instructions for Use (IFU) for more information.

**EU waste code (product as sold)**

180106\* Chemicals consisting of or containing dangerous substances.

**SECTION 14: Transportation information**

Not hazardous for transportation.

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
<b>14.1 UN number</b>	No data available.	No data available.	No data available.
<b>14.2 UN proper shipping name</b>	No data available.	No data available.	No data available.
<b>14.3 Transport hazard class(es)</b>	No data available.	No data available.	No data available.
<b>14.4 Packing group</b>	No data available.	No data available.	No data available.
<b>14.5 Environmental hazards</b>	No data available.	No data available.	No data available.
<b>14.6 Special precautions for user</b>	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.

<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code</b>	No data available.	No data available.	No data available.
<b>Control Temperature</b>	No data available.	No data available.	No data available.
<b>Emergency Temperature</b>	No data available.	No data available.	No data available.
<b>ADR Classification Code</b>	No data available.	No data available.	No data available.
<b>IMDG Segregation Code</b>	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

Contact the manufacturer for more information

#### Global inventory status

Contact the manufacturer for more information

## SECTION 16: Other information

### List of relevant H statements

H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H351i	Suspected of causing cancer by inhalation.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

#### Revision information:

A revision has been performed due to the need to update the safety information for the medical device.

The product to which this Safety Information Sheet applies is classified as a medical device according to the EU Medical Device Regulation EU 2017/745. \_x000D\_

Medical devices which are invasive or used in direct physical contact with the human body are exempt from the requirements of classification and labelling according to Regulation (EC) No. 1272/2008 (CLP; Article 1, paragraph 5). \_x000D\_

The EU Medical Device Regulation does not foresee the use of Safety Data sheets for medical devices which are invasive or used in direct physical contact with the human body, as the safe use of the product is described through the Instructions for

Use and /or the labelling for the product. Nevertheless, the 3M Safety Information Sheet is provided as a further service to customers to provide additional toxicology and chemical information on the product. In case of further questions, please contact your 3M representative listed on the Safety Information Sheet.

**3M Safety Information Sheets for Great Britain are available at [www.3M.com/uk](http://www.3M.com/uk)**