



## SAFETY DATA SHEET

### BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

According to Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830.

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

##### 1.1. Product identifier

**Product name** BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

**REACH registration notes** No REACH registration number required as this product is a mixture.

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

**Identified uses** A Flexible Acrylic Filler and Sealant.

**Uses advised against** Not to be used for any other purpose than stated above.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Bartoline Limited  
Barmston Close  
Beverley  
East Yorkshire  
HU17 0LW  
01482 678710  
info@bartoline.co.uk

**Contact person** Product Compliance Manager

##### 1.4. Emergency telephone number

**Emergency telephone** 01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour service)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Repr. 2 - H361d

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Warning

**Hazard statements** H361d Suspected of damaging the unborn child.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

<b>Precautionary statements</b>	<p>P201 Obtain special instructions before use.</p> <p>P202 Do not handle until all safety precautions have been read and understood.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P308+P313 IF exposed or concerned: Get medical advice/ attention.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Supplemental label information</b>	Contains preservatives to control microbial deterioration: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1); 1,2-benzisothiazol-3(2H)-one, 2-methyl-2H-isothiazol-3-one, Biphenyl-2-ol and Bronopol. May produce an allergic reaction.
<b>Contains</b>	2,2,4-trimethyl-1,3-pentanediol diisobutyrate

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>2,2,4-trimethyl-1,3-pentanediol diisobutyrate</b>	<b>5-10%</b>
CAS number: 6846-50-0                      EC number: 229-934-9                      REACH registration number: 01-2119451093-47-XXXX	
<b>Classification</b> Repr. 2 - H361d Aquatic Chronic 3 - H412	
<b>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)</b>	<b>&lt;1%</b>
CAS number: 55965-84-9 M factor (Acute) = 100                      M factor (Chronic) = 100	
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**                      An acrylic based emulsion.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**                      Move out of dangerous area. Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Treat symptomatically. Show this Safety Data Sheet to the medical personnel.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

<b>Inhalation</b>	Unlikely route of exposure. Due to the small packaging, the risk of inhalation is minimal. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. General first aid, rest, warmth and fresh air. Consult a physician after significant exposure.
<b>Ingestion</b>	DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention immediately! Provide rest, warmth and fresh air. Rinse mouth thoroughly with water. Remove person to fresh air and keep comfortable for breathing. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Immediately flush with plenty of water for up to 15 minutes. Get medical attention if irritation persists after washing.
<b>Protection of first aiders</b>	No specific requirements are anticipated under normal conditions of use. First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>General information</b>	See Section 11 for additional information on health hazards.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat.
<b>Skin contact</b>	There may be mild irritation at the site of contact.
<b>Eye contact</b>	Irritating and may cause redness and pain.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically. Suspected of damaging the unborn child.
<b>Specific treatments</b>	If adhesive bonding occurs, prise the skin apart slowly, working from the edge of the bonded area. This can be eased by using warm soapy water.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Specific hazards</b>	No specific precautions due to the small quantities handled.
<b>Hazardous combustion products</b>	None known. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** As this product is only supplied in small quantities there is a low risk of any environmental damage. Avoid discharge into drains and the aquatic environment. Avoid discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** For waste disposal, see Section 13. Absorb spillage with inert, damp, non-combustible material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Collect and place in suitable waste disposal containers and seal securely.

#### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Avoid eating, drinking and smoking when using the product.

**Advice on general occupational hygiene** No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Protect from freezing and direct sunlight. Keep container dry. Store in accordance with local regulations. Keep container tightly closed, in a cool, well ventilated place.

**Storage class** Unspecified storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Usage description** Keep containers closed when not in use. Keep out of reach of children. Apply "common sense" measures when handling this product. Always follow on pack instructions when using this product. Where possible avoid prolonged contact with the skin.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

There are no occupational exposure limits for the product as a whole. See information for listed hazardous ingredients.

##### 2,2,4-trimethyl-1,3-pentanediol diisobutyrate

According to the Suppliers MSDS this substance has no occupational exposure limit values.

**reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)**

According to the Suppliers MSDS this substance has no occupational exposure limit values.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

**Ingredient comments** The data below is taken from the REACH Registration portal for this substance.

### 2,2,4-trimethyl-1,3-pentanediol diisobutyrate (CAS: 6846-50-0)

**Ingredient comments** The data below is taken from the REACH Registration portal for this substance.

**DNEL**  
 Workers - Inhalation; Long term systemic effects: 110 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 31.2 mg/kg bw/day  
 General population - Inhalation; Long term systemic effects: 32.6 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 18.8 mg/kg bw/day  
 General population - Oral; Long term systemic effects: 18.8 mg/kg bw/day

**PNEC**  
 Industry - Fresh water; Long term 0.014 mg/l  
 Industry - marine water; Long term 0.001 mg/l  
 Industry - STP; Long term 3 mg/l  
 Industry - Sediment (Freshwater); Long term 5.29 mg/kg sediment dw  
 Industry - Sediment (Marinewater); Long term 0.529 mg/kg sediment dw  
 Industry - Soil; Long term 1.05 mg/kg soil dw  
 Industry - Hazard for predators; Long term 83.3 mg/kg food

### reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (CAS: 55965-84-9)

**DNEL** No data available from supplier of the substances.

**DMEL** No data available from the substance supplier.

**PNEC** No data available from the substance supplier.

## 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Protective engineering solutions should be implemented, and in use, before Personal Protective Equipment (PPE) is considered.
<b>Personal protection</b>	This product is supplied in ready to use cartridges, and when used correctly, poses very little risk to man. However, users need to be aware of the potential risk to the unborn child.
<b>Eye/face protection</b>	Ensure eye bath is to hand. Personal protective equipment for eye and face protection should comply with European Standard EN166.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. For work of short duration or where a high degree of manual dexterity is needed, use protective gloves made of: Butyl rubber/Nitrile rubber (0.4mm). Contaminated gloves should be removed. For work of long duration or where mechanical processes present a risk, use protective gloves made of: Viton rubber (fluoro rubber) 0.4mm. The selected gloves should have a breakthrough time of at least 0.5 hours.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact. Protective clothing (e.g. safety shoes according to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
<b>Hygiene measures</b>	Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.
<b>Respiratory protection</b>	No specific requirements are anticipated under normal conditions of use.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

<b>Thermal hazards</b>	Not Applicable
<b>Environmental exposure controls</b>	Avoid release to the environment. Avoid the product from entering drains and/or water courses.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Paste.
<b>Colour</b>	Misc. colours.
<b>Odour</b>	Barely perceptible.
<b>Odour threshold</b>	No information available.
<b>pH</b>	Ready to use state. 8.5 - 9.5
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	> 61°C
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	23 hPa
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Bulk density</b>	1.65 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Kinematic viscosity > 20.5 mm <sup>2</sup> /s.
<b>Explosive properties</b>	Not available.
<b>Explosive under the influence of a flame</b>	Not available.
<b>Oxidising properties</b>	Not available.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### 9.2. Other information

Other information None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

#### 10.4. Conditions to avoid

Conditions to avoid Avoid frost.

#### 10.5. Incompatible materials

Materials to avoid None known.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological effects No data for the product as a whole. See information on individual substances below. Unless stated otherwise the data quoted below is for the hazardous ingredients.

#### Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met. (Mixture as a whole)

#### Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met. (Mixture as a whole)

#### Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met. (Mixture as a whole)

#### Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met. (Mixture as a whole)

#### Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met. (Mixture as a whole)

#### Genotoxicity - in vivo

Based on available data the classification criteria are not met. (Mixture as a whole)

#### Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met. (Mixture as a whole)

#### Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met. (Mixture as a whole)

#### Reproductive toxicity - development

Suspected of damaging the unborn child.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met. (Mixture as a whole)

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met. (Mixture as a whole)

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met. (Mixture as a whole)

### **Inhalation**

The product is considered to be a low hazard under normal conditions of use. (Mixture as a whole)

### **Ingestion**

No harmful effects expected from quantities likely to be ingested by accident. (Mixture as a whole) However, the mixture does contain a substance suspected of damaging the unborn child.

### **Skin contact**

Repeated exposure may cause skin dryness or cracking. (Mixture as a whole)

### **Eye contact**

The product is considered to be a low hazard under normal conditions of use. May be slightly irritating to eyes. There may be mild irritation and redness. (Mixture as a whole)

### Toxicological information on ingredients.

#### 2,2,4-trimethyl-1,3-pentanediol diisobutyrate

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 3,200.0

**Species** Rat

**ATE oral (mg/kg)** 3,200.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE dermal (mg/kg)** 5,000.0

##### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 20.1

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

**Toxicological effects** No information on REACH portal.

##### Acute toxicity - oral

**ATE oral (mg/kg)** 300.0

##### Acute toxicity - dermal

**ATE dermal (mg/kg)** 1,000.0

##### Acute toxicity - inhalation



## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

Acute toxicity inhalation (LC <sub>50</sub> vapours mg/l)	10.0
Species	Rat
ATE inhalation (vapours mg/l)	10.0

### SECTION 12: Ecological information

**Ecotoxicity** Information taken from suppliers MSDS and REACH Registration portal.

#### Ecological information on ingredients.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

**Ecotoxicity** Information taken from REACH registration portal.

#### 12.1. Toxicity

**Toxicity** The product is not classified as dangerous for the environment but contains small amount of substances so classified.

#### Ecological information on ingredients.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

#### Acute aquatic toxicity

**LE(C)<sub>50</sub>** 0.001 < L(E)C<sub>50</sub> ≤ 0.01

**M factor (Acute)** 100

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 0.19 mg/l, Oncorhynchus mykiss (Rainbow trout)  
The value is estimated from test on similar products and derives from the suppliers MSDS.

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hour: 0.16 mg/l, Daphnia magna  
The value is estimated from tests on similar products and derived from the suppliers MSDS.

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hour: 0.027 mg/l, Pseudokirchneriella subcapitata  
The value is estimated from tests on similar products and derived from the suppliers MSDS.

#### Chronic aquatic toxicity

**M factor (Chronic)** 100

**Chronic toxicity - fish early life stage** NOEC, 14 day: 0.05 mg/l, Oncorhynchus mykiss (Rainbow trout)

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

**Phototransformation** Not available.

**Stability (hydrolysis)** Not available.

**Biodegradation** Not available.

**Biological oxygen demand** Not available.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

**Chemical oxygen demand** Not available.

### Ecological information on ingredients.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

**Biodegradation** Considered to be rapidly degradable. Material is not readily biodegradable according to OECD/EEC guidelines.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

### Ecological information on ingredients.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

**Partition coefficient** log Pow: ~ 0.401

### 12.4. Mobility in soil

**Mobility** No data available.

**Adsorption/desorption coefficient** Not available.

**Henry's law constant** Not available.

**Surface tension** Not available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This mixture contains no substances considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### Ecological information on ingredients.

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

**Results of PBT and vPvB assessment** This substance is considered not to be PBT and vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. The packaging must be empty (drop-free when inverted). Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### Waste class

When this product, in its liquid state, as supplied becomes waste it should be disposed of using the following waste code. EU Waste Code 08 04 10 - Waste adhesives and sealants other than those mentioned in 08 04 09. Empty plastic containers can be disposed of using EU Waste code 15 01 02 plastic packaging. Empty used containers should be disposed of as waste code 15 01 10 packaging containing residues of or contaminated by dangerous substances. It is usually obvious if a container is 'empty', for example a half empty tin of solidified paint is not empty, but where there is a small amount of residual material a container will not be empty if that residual material can be removed by physical or mechanical means by applying normal industry standards or processes.

This means that all reasonable efforts must have been made to remove any left-over contents from the container. This may involve for example washing, draining or scraping. The method of emptying will depend on the container and the type of material it contains.

Note: if the design of the packaging, its aperture, or the adherent nature of the material does not permit it to be emptied then it will not be a packaging waste.

If a container is not 'empty' it is not packaging waste. It should be classified on the basis of its contents and the source or activity that produced it. Part-used containers should be disposed of using waste code: EU Waste Code 08 04 10 - Waste adhesives and sealants other than those mentioned in 08 04 09. These codes have been assigned based on the actual composition of the product as supplied. If mixed with other wastes, the waste codes quoted may not be applicable.

### SECTION 14: Transport information

#### General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits. Health and Safety at Work etc. Act 1974 (as amended).
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Labelling of 'treated articles' according to Regulation (EU) 528/2012, Article 58. Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830.
<b>Guidance</b>	Workplace Exposure Limits EH40. Labelling and Packaging in accordance with Regulation (EC) No 1272/2008.
<b>Authorisations (Annex XIV Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Annex XVII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	When surfaces are to be prepared for painting account must be taken of the age of the property and the possibility that lead may be present. As a working rule you should assume that this will be the case if the age of the property is pre 1960. Where possible wet flattening or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.
<b>Training advice</b>	The information on directions for use can be found on the product label. It is important to ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment, methods of cleaning up and disposal of waste. The basic first aid arrangements.
<b>Revision comments</b>	DUE TO CHANGE OF CLASSIFICATION DATABASE THE REVISION NUMBERING HAS BEEN RESET. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version.
<b>Issued by</b>	Product Compliance Assistant
<b>Revision date</b>	04/12/2019
<b>Revision</b>	6
<b>Supersedes date</b>	26/11/2018
<b>SDS number</b>	4964
<b>SDS status</b>	Approved.

## BARTOLINE MSDS FS1 - Frame Sealant (Cartridge)

### Hazard statements in full

H301 Toxic if swallowed.  
H311 Toxic in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H361d Suspected of damaging the unborn child.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP). The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EU and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.