



SAFETY DATA SHEET

MSDS MPS1 BARTOLINE - Silicone Sealant

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	MSDS MPS1 BARTOLINE - Silicone Sealant
Internal identification	MSDS MPS 1
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	General Purpose Silicone 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)
National emergency telephone number	National Poisons Information Service (24hours) 0844 892 0111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

Human health If uncured silicone comes into contact with eyes or mucous membranes rinse thoroughly with water to avoid irritation. During vulcanization acetic acid is released. Vapours should not be inhaled for long periods or in high concentration. Use in well ventilated areas.

2.2. Label elements

Hazard statements EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

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Precautionary statements	P102 Keep out of reach of children. IF ON SKIN: remove with Bartoline All Purpose Wipes or a propriety hand cleanser. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. Use only in well ventilated areas.
Supplemental label information	Contains a preservative to control microbial deterioration: 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C13-C23, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	10-30%
CAS number: —	EC number: 932-078-5
	REACH registration number: 01-2119552497-29-0000
Classification	
Asp. Tox. 1 - H304	

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics.	10-30%
CAS number: —	EC number: 934-954-2
	REACH registration number: 01-2119826592-36-XXXX
Classification	
Asp. Tox. 1 - H304	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	General first aid, rest, warmth and fresh air. Remove affected person from source of contamination. Chemical burns must be treated by a physician.
Inhalation	Remove victim immediately from source of exposure. General first aid, rest, warmth and fresh air. Consult a physician for specific advice.
Ingestion	Rinse nose, mouth and throat with water.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Drowsiness, dizziness, disorientation, vertigo.
Ingestion	There may be soreness and redness of the mouth and throat.
Skin contact	There may be mild irritation at the site of contact.
Eye contact	Irritating and may cause redness and pain.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	Containers close to fire should be removed or cooled with water. Move containers from fire area if it can be done without risk.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use air-supplied respirator, gloves and protective goggles.

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. Avoid inhalation of vapours and contact with skin and eyes.
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6.2. Environmental precautions

Environmental precautions	As this product is only supplied in 300ml cartridges there is a low risk of any environmental damage.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Absorb spillage with suitable absorbent material. Scrape up uncured product and place into a container for disposal. Alternatively, allow to set hard and scrape up.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13. See section 11 for additional information on health hazards.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Do not handle broken packages without protective equipment. During application and curing Acetic Acid fumes will be emitted. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Clean contaminated areas before leaving the work site. Avoid eating, drinking and smoking when using the product. Use only in well-ventilated areas. Do not breathe vapours. Use approved respirator if air contamination is above an acceptable level. Do not use in confined spaces without adequate ventilation and/or respirator.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep only in the original container in a cool, well-ventilated place. Store at temperatures between 5°C and 25°C. Store in accordance with local regulations. No special restrictions on storage with other products. No decomposition if stored and applied as directed.

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 out of reach of children. Apply "common sense" measures when handling this product. Avoid all contact with skin and eyes. Always follow on pack instructions when using this product. DO NOT use in confined spaces or in areas of poor ventilation.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics.

No supplier MSDS available.

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics.

DNEL

REACH portal states 'No-threshold effect and/or no dose-response information available'.

DMEL

REACH portal states 'No-threshold effect and/or no dose-response information available'.

PNEC

REACH portal states 'No-threshold effect and/or no dose-response information available'.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Personal protection

This product is supplied in ready to use cartridges, and when used correctly, poses very little risk to man.

Eye/face protection

Wear EN 166 approved chemical safety goggles where eye exposure is reasonably probable.

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Hand protection	Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Although the product is not classified as a skin irritant, the wearing of gloves is recommended for people with sensitive skin or for prolonged or repeated use. Wear protective gloves made of the following material: Butyl rubber/Nitrile rubber (0.4mm). It is recommended that chemical-resistant, impervious gloves are worn. Wear approved safety gloves where skin exposure is reasonably probable.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Misc. colours.
Odour	Acetic acid.
Odour threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	> 72°C
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.99 g/cm ³ at 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Highly viscous. Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.

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Oxidising properties	This product is not considered oxidising based on chemical structure considerations.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

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.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not relevant. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid Avoid heat. Avoid freezing.

10.5. Incompatible materials

Materials to avoid Acids. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products None at ambient temperatures. 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. Unless stated otherwise the data quoted below is for the hazardous ingredients. The product has been assessed following the conventional method and is classified for toxicological hazards accordingly. This product has low toxicity. Only large volumes may have adverse impact on human health.

Toxicokinetics Not available.

General information The product is not believed to present a hazard due to its physical nature. This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation When working extensively on large surfaces in small and badly ventilated rooms, vapours may develop in concentrations which may cause headache and irritation of the eyes and the respiratory system.

Ingestion No harmful effects expected from quantities likely to be ingested by accident. Ingestion of large amounts may cause soreness and redness of the mouth and throat.

Skin contact Prolonged or repeated contact may dry skin and cause irritation.

Eye contact There may be mild irritation and redness.

Route of exposure Inhalation Ingestion Skin and/or eye contact

Toxicological information on ingredients.

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics.

Acute toxicity - oral

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ATE oral (mg/kg)	2,000.1
<u>Acute toxicity - dermal</u>	
ATE dermal (mg/kg)	2,000.1
<u>Acute toxicity - inhalation</u>	
ATE inhalation (dusts/mists mg/l)	5.266

SECTION 12: Ecological Information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. 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. External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. This material and its container must be disposed of as hazardous waste. Waste packaging should be collected for reuse or recycling. The packaging must be empty (drop-free when inverted). When handling waste, the safety precautions applying to handling of the product should be considered. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal methods Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility. This material and its container must be disposed of as hazardous waste.

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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. Not regulated.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

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

SECTION 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended).
Control of Substances Hazardous to Health Regulations 2002 (as amended).
Control of Pollution Act 1974.
EH40/2005 Workplace exposure limits.
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EU legislation

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).

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are known for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Training advice	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.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Product Compliance Assistant
Revision date	26/11/2018
Revision	5
Supersedes date	08/05/2017
SDS number	4894
Hazard statements in full	H304 May be fatal if swallowed and enters airways. EUH208 Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

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.