

SAFETY DATA SHEET BARTOLINE FRAME SEALANT

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	BARTOLINE FRAME SEALANT
Product No.	52770100 & 52770300
REACH Registration number	NOT APPLICABLE
REACH Registration notes	Registration number is not applicable as this is a mixture.

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

Identified uses	An acrylic flexible sealant
Uses advised against	Not to be used for aquaria

1.3. Details of the supplier of the safety data sheet

Supplier	Bartoline limited Barmston Close Beverley East Yorkshire HU17 0LW 01482 678710 fax 01482 872606 HSE MANAGER www.bartoline.co.uk
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1.4. Emergency telephone number

01482 678727 0800-1700 Monday to Friday
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 and Chemical Hazards	Not classified.
	Human health	Not classified.
	Environment	Not classified.
Classification (1999/45/EEC)	Not classified.	

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

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

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2-PHENYLPHENOL (ISO)		< 1%
CAS-No.: 90-43-7	EC No.: 201-993-5	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xi;R36/37/38 N;R50	
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY		1-5%
CAS-No.: 64742-48-9	EC No.: 265-150-3	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 STOT SE 3 - H336 Asp. Tox. 1 - H304	Classification (67/548/EEC) Xn;R65. R10,R66,R67.	

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

REACH Registration number NOT APPLICABLE
REACH Registration notes Registration number is not applicable as this is a mixture.
Composition Comments

This is an acrylic sealant containing small amounts of white spirit and in cartridge preservatives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Get medical attention if any discomfort continues.

Inhalation

Due to the small packaging the risk of inhalation is minimal. General first aid, rest, warmth and fresh air. Move into fresh air and keep at rest.

Ingestion

Immediately rinse mouth and provide fresh air.

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 eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

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

Inhalation.

No specific symptoms noted.

Ingestion

There may be irritation of the 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

SKIN BONDING. 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

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5.1. Extinguishing media

Extinguishing media

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media

None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific hazards

Considering the size of the packaging, the risk is regarded as minimal.

5.3. Advice for firefighters

Special Fire Fighting Procedures

No specific fire fighting procedure given.

Protective equipment for fire-fighters

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Absorb spillage with suitable absorbent material. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery.

6.4. 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

Read and follow manufacturer's recommendations. Avoid contact with skin and eyes. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid eating, drinking and smoking when using the product.

7.2. Conditions for safe storage, including any incompatibilities

Protect from freezing and direct sunlight.

Storage Class

Unspecified storage.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	WEL		1200 mg/m3			

WEL = Workplace Exposure Limit.

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8.2. Exposure controls

Process conditions

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

Engineering measures

Protective engineering solutions should be implemented and in use before Personal Protective Equipment (PPE) is considered.

Respiratory equipment

Respiratory protection not required.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Gloves of nitrile rubber, PVA or Viton are recommended.

Eye protection

Where there is a risk of splashes to the eyes it is recommended that safety glasses/goggles approved to EN166 standard are worn.

Other Protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash promptly with soap & water if skin becomes contaminated. Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	Misc. colours.
Odour	PVA Type
Solubility	Soluble in water in uncured state
Initial boiling point and boiling range	100
Melting point (°C)	Not available.
Relative density	1.65 - 1.73
Bulk Density	Not applicable.
Vapour density (air=1)	Not available.
Vapour pressure	Not applicable.
Evaporation rate	moderate
pH-Value, Conc. Solution	8.5 - 9.9
Viscosity	Ready to use state 250, 000 cps
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Flash point	>92
Auto Ignition Temperature (°C)	Not available.
Flammability Limit - Lower(%)	Not available.
Flammability Limit - Upper(%)	Not available.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for oxidising. Not oxidising (based on the chemical structure of the substance and the oxidation states of the constituents elements).

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Comments

Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) 19.2 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Burning generates CO, CO₂ and acrid smoke.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid frost. There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials To Avoid

Acids, oxidising.

10.6. 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 information

There is no data for the product as a whole. The data for the hazardous constituents is shown below. The product has been assessed following the conventional method and is classified for toxicological hazards accordingly.

Respiratory or skin sensitisation:

There is evidence that the material can lead to respiratory hypersensitivity. Based on available data the classification criteria are not met.

Carcinogenicity:

Carcinogenicity

Not applicable.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

Not applicable.

Aspiration hazard:

Viscosity

Kinematic viscosity > 20.5 mm²/s.

Not anticipated to present an aspiration hazard based on chemical structure.

General information

This product has low toxicity. Only large volumes may have adverse impact on human health.

Inhalation

Not relevant at normal room temperatures. When heated, toxic vapours may be formed.

Ingestion

No harmful effects expected in amounts likely to be ingested by accident.

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Skin contact

Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye contact

May cause temporary eye irritation.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Medical Symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical Considerations

Skin disorders and allergies. Allergies.

Toxicological information on ingredients.

2-PHENYLPHENOL (ISO) (CAS: 90-43-7)

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY (CAS: 64742-48-9)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

There is no data available for the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can effect ground or surface waters. The product is not classified as dangerous for the environment but contains small amount of substances so classified.

Ecological information on ingredients.

2-PHENYLPHENOL (ISO) (CAS: 90-43-7)

Acute Toxicity - Fish

LC50 96 hours ~ 4 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Plants

IC50 72 hours ~ 3.57 mg/l Selenastrum capricornutum

EC50 96 hours ~ 1.32 mg/l Freshwater algae

2-METHYLISOTHIAZOL-3(2H)-ONE (CAS: 2682-20-4)

Acute Toxicity - Fish

NOEC 96 hours ~ 3.06 mg/l Onchorhynchus mykiss (Rainbow trout)

LC50 96 hours ~ 6.0 mg/l Onchorhynchus mykiss (Rainbow trout)

EC 50, 48 Hrs, Daphnia, mg/l

1.68

Acute Toxicity - Aquatic Invertebrates

NOEC 48 hours ~ 0.882 Daphnia magna

EC50 48 hours ~ 1.68 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours ~ 0.157 mg/l Selenastrum capricornutum

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Acute Toxicity - Fish

LC50 96 hours ~ 2.2 mg/l Onchorhynchus mykiss (Rainbow trout)

Acute Toxicity - Aquatic Invertebrates

EC50 48 hours ~ 3 mg/l Daphnia magna

Acute Toxicity - Aquatic Plants

EC50 72 hours ~ 0.067 mg/l Selenastrum capricornutum

12.2. Persistence and degradability

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Degradability

This substance is product is expected to biodegrade slowly.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is soluble in water. Readily absorbed into soil

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

Waste Class

When this product, in its liquid state, as supplied, becomes waste, it is categorised as hazardous, with code 08 04 09. Part used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating are categorised as non-hazardous waste with code 08 04 10. Used containers, drained and or rigorously scraped out and containing dried residues of the supplied coating are categorised as non-hazardous waste with code 15 01 02. "Rigorously scraped out" means removing the maximum amount of product from the container by physical or mechanical means to leave a residue or contamination that cannot be removed by such means. These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. 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 regulation 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)

Not applicable.

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 MARPOL73/78 and the IBC Code

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Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Environmental Listing

Control of Pollution Act 1974.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

Dangerous Preparations Directive 1999/45/EC. 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007). 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 ("CDG 2009"), SI 2009 No 1348 Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

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 flapping or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.

Revision Date 14/04/2014

Revision 8

Supersedes date 19/03/2014

BARTOLINE FRAME SEALANT

Risk Phrases In Full

R10	Flammable.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
NC	Not classified.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
H400	Very toxic to aquatic life.

Disclaimer

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 (REACH) 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 suppliers 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 EC and Uk Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification.