



SAFETY DATA SHEET

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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

1.1. Product identifier

Product name BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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 GLAZING COMPOUND OR FILLER

Uses advised against No specific uses advised against are identified.

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

2.2. Label elements

Hazard statements NC Not Classified

2.3. Other hazards

This product is not subject to classification according to the calculation method of the EU Classification, Labelling and Packaging Regulation. When used and handled as directed the product does not have any harmful effects to our experience and the information provided to us.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Composition comments Homogeneous mixture of mineral filler, linseed oil, plasticiser and white spirit.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	This is a non hazardous mixture and as such any ill health effects are unlikely to have been caused by contact with this product. If medical advice is needed, have product container or label at hand. Treat symptomatically. Show this Safety Data Sheet to the medical personnel.
Inhalation	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.
Ingestion	Remove person to fresh air and keep comfortable for breathing. Rinse out mouth and then drink plenty of water if person is conscious. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS.
Skin contact	Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if irritation persists after washing.
Protection of first aiders	This is a non hazardous product and therefore no protection should be required, however consideration should be given to other contaminants in the workplace. 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

General information	See Section 11 for additional information on health hazards.
Inhalation	No specific symptoms known.
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

Notes for the doctor	Treat symptomatically.
Specific treatments	No specific chemical antidote is known to be required after exposure to this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

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

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

Special protective equipment for firefighters 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.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up For waste disposal, see Section 13. No specific clean-up procedure recommended. Pick up mechanically or by hand.

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 This is a non hazardous product. Read and follow manufacturer's recommendations.

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. Keep in a cool, well ventilated place.

Storage class Unspecified storage.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
Usage description	Apply "common sense" measures when handling this product. Always follow on pack instructions when using this product. Keep out of reach of children. Keep containers closed when not in use.

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Long-term exposure limit (8-hour TWA): 1200 mg/m³, CEFIC - HSPA recommended WEL

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Ingredient comments	The Workplace Exposure Limited quoted is an advisory level from the CEFIC-HSPA. The figures quoted below are taken from the registration document and/or the substance manufacturers data sheet.
Biological limit values	Not Available
DNEL	Workers - Dermal; Long term systemic effects: 208 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 871 mg/m ³ /8hour Consumer - Dermal; Long term systemic effects: 125 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 185 mg/m ³ /24h Consumer - Oral; Long term systemic effects: 125 mg/kg bw/day

8.2. Exposure controls

Appropriate engineering controls	Protective engineering solutions should be implemented, and in use, before Personal Protective Equipment (PPE) is considered.
Personal protection	This product is supplied in ready to use tubs, and when used correctly, poses very little risk to man or the environment.
Eye/face protection	No specific eye protection required during normal use. Where there is a risk of splashes to the eyes it is recommended that safety glasses/goggles approved to EN166 standard are worn.
Hand protection	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. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). Nitrile rubber. Polyvinyl chloride (PVC). Rubber (natural, latex).
Other skin and body protection	No specific requirements are anticipated under normal conditions of use.
Hygiene measures	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.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.
Thermal hazards	Not Applicable

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Stiff paste
Colour	Off-white. or Brown.
Odour	Faint linseed oil type.
Odour threshold	No information available.
pH	Ready to use state. 6 - 8
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	Not applicable.
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	Not available.
Bulk density	2.0 g/ml
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm ² /s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not available.
Oxidising properties	Not available.
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

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

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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

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

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)

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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)
Skin contact	The product is considered to be a low hazard under normal conditions of use. 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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 15,000.0

Species Rat

ATE oral (mg/kg) 15,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 3,160.0

Species Rabbit

ATE dermal (mg/kg) 3,160.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 5,001.0

Species Rat

ATE inhalation (vapours mg/l) 5,001.0

Skin corrosion/irritation

Animal data Oedema score: No oedema (0).

Serious eye damage/irritation

Serious eye damage/irritation This substance does not meet the EU criteria for classification. - Burning feeling and temporary redness.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - development Results of guideline developmental toxicity studies on the substance and OECD developmental toxicity screening studies showed no evidence of developmental toxicity in rats.

Specific target organ toxicity - single exposure

STOT - single exposure Vapours may cause drowsiness and dizziness.

Target organs Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Inhalation

Vapours inhaled in strong concentrations have a narcotic effect on the central nervous system. Irritation of the respiratory tract due to excessive fume. Causes headache, drowsiness or other effects to the central nervous system, loss of consciousness.

Ingestion

Symptoms: Nausea, vomiting, abdominal pain. Harmful: If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious inhalation pulmonary lesions (medical survey during 48 hours). Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

This mixture does not meet the EU criteria for classification. Any eye contact may cause a burning feeling and temporary redness.

Route of exposure

Inhalation Ingestion Skin and/or eye contact Dermal

Target organs

Central nervous system Eyes Respiratory system, lungs Skin

Medical symptoms

Symptoms following overexposure may include the following: Central nervous system depression. Coughing, chest tightness, feeling of chest pressure. Diarrhoea. Dry skin. Headache. Irritation.

Medical considerations

The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: History of alcoholism. Chronic respiratory and obstructive airway diseases. History of smoking. Pre-existing eye problems. Skin disorders and allergies.

SECTION 12: Ecological Information

Ecotoxicity No information on supplier MSDS.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hour: >1000 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₈₀, 48 hours: >1000 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >1000 mg/l, Pseudokirchneriella subcapitata

Acute toxicity - terrestrial Not available.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 0.13 mg/l, Oncorhynchus mykiss (Rainbow trout), QSAR petrotox

Chronic toxicity - aquatic invertebrates NOEC, 21 days: 0.23 mg/l, Daphnia magna, QSAR Petrotox

Toxicity to soil Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for the risk assessment of this complex substance.

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.

Chemical oxygen demand Not available.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Persistence and degradability The product is readily biodegradable. 80% after 28 days (OECD 301F)

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

Bioaccumulative potential Substance is a hydrocarbon UVCB. Standard tests for this endpoint are intended for single substances and are not appropriate for this complex substance.

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.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.

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.
Waste class	<p>When this product, 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. 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.</p> <p>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.</p> <p>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.</p> <p>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.</p>

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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.

SECTION 15: Regulatory information

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

National regulations	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).
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).
Guidance	Workplace Exposure Limits EH40.
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.

BARTOLINE - Linseed Oil Glazing Putty (Multi Purpose)

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 flattening or chemical stripping methods should be used with surfaces of this type to avoid the formation of lead dust.
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	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.
Issued by	Product Compliance Assistant
Revision date	26/11/2018
Revision	2
Supersedes date	18/03/2016
SDS number	4938
SDS status	Approved.

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.