



SAFETY DATA SHEET

BARTOLINE - Raw Linseed Oil

This SDS is not mandated under REACH Regulation (EC) No 1907/2006 and is provided for information only.

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

1.1. Product identifier

Product name	BARTOLINE - Raw Linseed Oil
Chemical name	Linseed oil
Synonyms; trade names	Crude linseed Oil, Refined linseed Oil
REACH registration notes	Exempt registration under Annex V
CAS number	8001-26-1
EC number	232-278-6

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

Identified uses	A liquid intended as a coating for timber substrates which replaces natural oils.
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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
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Contact person	Product Compliance Manager
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1.4. Emergency telephone number

Emergency telephone	01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour service)
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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 Spills of the oil may constitute a slip hazard.

Physicochemical Rags soaked in oil may spontaneously ignite (see section 6).

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2.2. Label elements

EC number	232-278-6
Authorisation number	◆60◆
Hazard statements	NC Not Classified

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	BARTOLINE - Raw Linseed Oil
Chemical name	Linseed oil
REACH registration notes	Exempt registration under Annex V
CAS number	8001-26-1
EC number	232-278-6
Ingredient notes	Non-classified vPvB substance.
Composition comments	This product does not contain any substances classified as Substances of Very High Concern (SVHCs). A naturally occurring triglyceride vegetable oil derived from the seed of the flax plant <i>Linium usitatissimum</i> .

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. CAUTION! First aid personnel must be aware of own risk during rescue! IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR THE NHS 111 SERVICE.
Inhalation	Unlikely route of exposure. Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
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 symptoms are severe or persist 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.

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

General information	The product is considered to be a low hazard under normal conditions of use. Treat symptomatically.
Inhalation	No specific symptoms known.
Ingestion	May cause discomfort if swallowed.
Skin contact	There may be mild irritation at the site of contact.

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Eye contact May cause temporary eye irritation.

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 Extinguish with foam, carbon dioxide, dry powder or water fog. Use water spray to cool surfaces exposed to fire and protect personnel.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Although the product is not classed as oxidizing there is a danger of any cloths contaminated with the oil to self combust. No specific precautions due to the small quantities handled.

Hazardous combustion products Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentrations.

5.3. Advice for firefighters

Protective actions during firefighting Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Move containers from fire area if it can be done without risk. Use water SPRAY only to cool containers! Do not allow water to contact any leaked material. Keep run-off water out of sewers and water sources. Dike for water control.

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. Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. There is a danger that cloths or rags used to clean up a spill, or even any absorbent material may spontaneously combust. Any cloths should be washed in warm soapy water and be disposed of without crumpling. Absorbents should be sprayed with water prior to disposal.

For non-emergency personnel No specific advice required.

For emergency responders 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.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. Clean contaminated area with oil-removing material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets. Contaminated rags and cloths must be put in fireproof containers for disposal. 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.

Advice on general occupational hygiene Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Wash contaminated skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Avoid contact with oxidising agents. Store in closed original container at temperatures between 8°C and 28°C.

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 Product can be applied with brush or by cloth, all application materials should be washed in warm soapy water and disposed of without crumpling. Always follow on pack instructions when using this product. Apply "common sense" measures when handling this product. Keep out of reach of children. Keep containers closed when not in use. Where possible avoid prolonged contact with the skin. People with sensitive skin should wear rubber protective gloves.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

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Ingredient comments	There is no data for the product as a whole.
DNEL	No data available from supplier of the substances. Substance not notified on REACH Registration portal.
DMEL	No data available from the substance supplier. Substance not notified on REACH Registration portal.
PNEC	Substance not notified on REACH Registration portal. No data available from the substance supplier.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	Provide adequate ventilation.
Eye/face protection	Chemical splash goggles and face shield.
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. Wear protective gloves made of the following material: Nitrile rubber.
Other skin and body protection	Wear suitable protective clothing as protection against splashing or contamination.
Hygiene measures	Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Good personal hygiene procedures should be implemented.
Respiratory protection	If used in accordance with section 7 of this MSDS the use of respiratory protection should not be required. Respiratory protection may be required if excessive airborne contamination occurs.
Thermal hazards	Not Applicable
Environmental exposure controls	Keep container tightly sealed when not in use. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Light (or pale). Brown.
Odour	Oil-like.
Odour threshold	Not available.
pH	Not relevant.
Melting point	Not applicable.
Initial boiling point and range	100 Degrees C (water)
Flash point	> 150°C
Evaporation rate	Not applicable.

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Upper/lower flammability or explosive limits	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not relevant.
Relative density	0.933 @ 15.5°C
Bulk density	933 kg/m ³
Solubility(ies)	Immiscible with water. Soluble in the following materials: Aromatic solvents. Hydrocarbons.
Partition coefficient	Not applicable.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not available.
Viscosity	0.5 poise @ 25°C
Explosive properties	Not explosive (EC A 9, closed cup)
Explosive under the influence of a flame	Not considered to be explosive.
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. Information given is applicable to the product in its ready-to-use form.

9.2. Other information

Volatile organic compound There are no VOCs present.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity See section 6 for auto-ignition hazard of oil soaked rags/absorbents.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Exposure to sunlight may cause a bleaching effect.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur. Although the oil itself is not classified as hazardous, every attention must be drawn to the danger of spontaneous combustion. DANGER OF SPONTANEOUS COMBUSTION. AFTER USE, ANY CLOTHS OR RAGS SHOULD BE WASHED IN WARM SOAPY WATER TO REMOVE THE OIL. EVEN AFTER WASHING THE RAGS MUST NEVER BE CRUMPLED INTO A BALL BUT SPREAD OUT AND DISPOSED OF. USE SYNTHETIC FIBRE CLOTHS WHERE POSSIBLE AS NATURAL FIBRES, ESPECIALLY COTTON, INCREASE THE CHANCES OF SPONTANEOUS COMBUSTION. See section 6 and 16.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid exposure to high temperatures or direct sunlight.

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10.5. Incompatible materials

Materials to avoid Acids. Alkalis. Copper. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products In case of fire irritating fumes and smoke will be evolved.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data for the product as a whole. Expected to have a very low order of toxicity.

Acute toxicity - oral

ATE oral (mg/kg) 2,000.01

Acute toxicity - dermal

ATE dermal (mg/kg) 2,000.01

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 20.01

Inhalation Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.

Ingestion No specific symptoms known.

Skin contact Prolonged contact may cause dryness of the skin.

Eye contact May cause temporary eye irritation.

Route of exposure Ingestion Skin and/or eye contact

Target organs Eyes Skin

Medical symptoms Dry skin.

Medical considerations Skin disorders and allergies.

SECTION 12: Ecological Information

Ecotoxicity There is no Ecotoxicity data for the product as a whole. Not regarded as dangerous for the environment.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability By analogy with rapeseed oil expected to be >98% after 21 days when tested to the OECD 301B method.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not applicable.

12.4. Mobility in soil

Mobility Not available.

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12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

Other adverse effects Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

Disposal methods Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Waste liquid components should be suitable for incineration at an approved facility.

Waste class Waste liquid can be classified as organic waste with the European waste code 16 03 05. Waste absorbents and wiping cloths contaminated with linseed oil should be classed as waste code 15 02 03.

SECTION 14: Transport information

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

Road transport notes Not regulated.

Rail transport notes Not regulated.

Sea transport notes Not regulated.

Air transport notes Not regulated.

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.

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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	Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. Control of Substances Hazardous to Health Regulations 2002 (as amended). 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.
EU legislation	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). 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). Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
Guidance	Workplace Exposure Limits EH40. Classification and Labelling of Substances and Preparations Dangerous for Supply.
Health and environmental listings	Control of Pollution Act 1974.
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.

SECTION 16: Other information

General information	Only trained personnel should use this material. Linseed oil is frequently bottled for general DIY applications. Although the oil itself is not classified as hazardous, every attention must be drawn to the danger of spontaneous combustion and a high profile warning is essential. The following warning is recommended: DANGER OF SPONTANEOUS COMBUSTION. AFTER USE, ANY CLOTHS OR RAGS SHOULD BE WASHED IN WARM SOAPY WATER TO REMOVE THE OIL. EVEN AFTER WASHING THE RAGS MUST NEVER BE CRUMPLED INTO A BALL BUT SPREAD OUT AND DISPOSED OF. USE SYNTHETIC FIBRE CLOTHS WHERE POSSIBLE AS NATURAL FIBRES, ESPECIALLY COTTON, INCREASE THE CHANCES OF SPONTANEOUS COMBUSTION. BRUSHES AND ROLLERS SHOULD BE CLEANED WITH WHITE SPIRIT AND THEN WASHED IN WARM SOAPY WATER.
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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. NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	Product Compliance Manager
Revision date	29/06/2018
Revision	2
Supersedes date	01/12/2015
SDS number	4843
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.