

Bartoline Raw Linseed Oil

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 23/08/2023 Version: 1.0

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

1.1. Product identifier

Product name : Bartoline Raw Linseed Oil
Substance name : Linseed oil
EC-No. : 232-278-6
CAS-No. : 8001-26-1
REACH registration No : Exempt (REACH Annex V)

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

1.2.1. Relevant identified uses

Use of the substance/mixture : A liquid intended as a coating for timber substrates which replaces natural oils.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

EU Supplier

Bartoline Ireland Limited
Unit 3D North Point House
North Point Business Park
New Mallow Road
Cork T23 AT2P
Ireland
+353212066441
info@bartoline.eu

1.4. Emergency telephone number

Emergency number : +44(0)1482 678710
8.30am - 4.45pm Monday to Friday (BST during DST, otherwise GMT)
NHS 111 - General Public (24 Hour service)

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

Also, in the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P103 - Read carefully and follow all instructions.
Extra Labelling Phrase	: EU/VOC content limits for this product (CatA/e) is 400 g/L respectively. This product contains max 0 g/L VOC. To avoid the risk of spillage always ensure that the cap is secure and the container is held upright during transportation & storage.

2.3. Other hazards

This UVCB substance is not assessed to meet the PBT criteria of REACH regulation, annex XIII

This UVCB substance is not assessed to meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

This UVCB substance does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This UVCB substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type	: Unknown Or Variable Composition, Complex Reaction Products Or Of Biological Materials (UVCB)
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Name	Product identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Linseed oil	CAS-No.: 8001-26-1 EC-No.: 232-278-6	Not Classified

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Non hazardous substance.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Take off contaminated clothing. Wash immediately with plenty of soap and water. Get medical advice/attention if you feel unwell.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if symptoms are severe or persist after washing.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Get medical advice/attention if you feel unwell.
Self Protection of the first aider	: Wear recommended personal protective equipment (For further information refer to section 8: "Exposure controls/personal protection") if contact/exposure with the product is likely

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

Symptoms/effects	: Under normal conditions of use, no adverse effects to health have been observed.
Symptoms/effects after inhalation	: None known.
Symptoms/effects after skin contact	: May cause slight irritation to the skin.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause discomfort.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , powder and foam. Do not use water.
Unsuitable extinguishing media	: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water.
Hazardous decomposition products in case of fire	: 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

Precautionary measures fire	: Avoid breathing vapours from fire.
Firefighting instructions	: For containers exposed to flames, cool laterally with water, even after the fire is extinguished.
Protection during firefighting	: Wear fire/flame resistant/retardant clothing. In confined space use self-contained breathing apparatus. Full face piece respirator. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incident.
Other information	: Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk on the spilled product. Wash thoroughly after dealing with a spillage.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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Emergency procedures : For further information refer to section 8: "Exposure controls/personal protection". More detailed information: See section 11. For disposal of residues refer to section 13 : "Disposal considerations".

6.2. Environmental precautions

Do not discharge into drains or the environment. Do not allow to enter drains or water courses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Turn leaking containers leak-side up to prevent the escape of liquid.

6.3. Methods and material for containment and cleaning up

For containment : Turn leaking containers leak-side up to prevent the escape of liquid.
Methods for cleaning up : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable closed container for disposal. Wash contaminated area with large amounts of water.
Other information : The aforementioned closed container should be disposed off at a local household waste collection point (for consumers) or by contracting a waste management company (for professionals).

6.4. Reference to other sections

For further information on personal protection refer to section 8: "Exposure controls/personal protection". For further information on Disposal Considerations refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be placed in a closed metal container soaked with water. Avoid spilling the product and keep away from drains. Do not handle together with oxidants, acids and alkalis.
Hygiene measures : Do not eat, drink or smoke when using this product. After contact with skin, wash immediately and thoroughly with water and soap. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and protective equipment before entering eating areas .

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a closed container. Avoid excessive heat for prolonged periods of time Avoid High temperature. Avoid sparks & flames and other sources of ignition. Avoid Direct sunlight.
Incompatible products : Oxidizing agent, acids & alkalis
Storage temperature : 8 – 28 °C

7.3. Specific end use(s)

A liquid intended as a coating for timber substrates which replaces natural oils. (see Section 1.2). Product can be applied with brush or by cloth, all application materials should be washed in warm soapy water and disposed of without crumpling.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

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8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Provide adequate ventilation.

8.2.2. Personal protection equipment

Personal protective equipment:

Do not attempt to take action without suitable protective equipment. Appropriate engineering controls.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical goggles or safety glasses

Eye protection			
Type	Field of application	Characteristics	Standard
Use splash goggles when eye contact due to splashing is possible	Droplet	With side shields	EN 166

8.2.2.2. Skin protection

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. Gloves with a minimum layer thickness of 0.11mm and break through time of greater than 240 minutes would suffice

Other skin protection - Materials for protective clothing:

Wear suitable protective clothing as protection against splashing or contamination. For the greatest protection, clothing should include anti-static overalls, boots and gloves

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

8.2.2.4. Thermal hazards

Thermal hazard protection:

Not applicable.

8.2.3. Environmental exposure controls

Keep container closed when not in use. Keep container tightly closed. Do not allow into drains or water courses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Light or pale brown.
Appearance	: Light or pale brown coloured liquid.

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Odour	: Oil like.
Odour threshold	: Not available.
Melting point/Freezing Point	: - 20 °C
Boiling point	: Decomposition takes place before boiling
Flammability	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 300 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available.
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 50 mPa.s @ 25 °C
Solubility	: Soluble in aliphatic hydrocarbons and aromatic solvents but insoluble in water
Partition coefficient n-octanol/water (Log Kow)	: Not available.
Vapour pressure	: @ 20°C - very low, @ 100°C - very low
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.926 to 0.933 @ 20 °C
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No Information available

9.2.2. Other safety characteristics

VOC content	: There are no VOCs present.
Bulk density	: 933 kg/m ³
Evaporation Rate	: Not available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. High temperature. Sparks & flames and other sources of ignition. Direct sunlight.

10.5. Incompatible materials

Acids. alkalis. Oxidizing agent.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Based on available data, the classification criteria are not met.
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Acute toxicity (dermal) : Data Lacking
Acute toxicity (inhalation) : Data Lacking

Linseed oil (8001-26-1)

LD50 oral	> 5000 mg/kg bodyweight Animal: rat
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Skin corrosion/irritation : Data Lacking.
Serious eye damage/irritation : Data Lacking
Respiratory or skin sensitisation : Data Lacking
Germ cell mutagenicity : Data Lacking
Carcinogenicity : Data Lacking
Reproductive toxicity : Data Lacking
STOT-single exposure : Data Lacking.
STOT-repeated exposure : Data Lacking
Aspiration hazard : Data Lacking

11.2. Information on other hazards

11.2.1 Endocrine Disrupting Properties

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This UVCB substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

11.2.2 Other Information

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Data Lacking
Hazardous to the aquatic environment, long-term (chronic) : Data Lacking

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Bioconcentration factor (BCF): < 10

12.4. Mobility in soil

Absorption coefficient: Log KOC > 4.96 @ 20°C ((Q)SAR for predominantly hydrophobics given in the TGD)

12.5. Results of PBT and vPvB assessment

This UVCB substance is not assessed to meet the PBT criteria of REACH regulation, annex XIII

This UVCB substance is not assessed to meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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12.6. Endocrine disrupting properties

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12.7. Other adverse effects

There are no other known adverse effects, as of yet, for this UVCB substance

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product **is not** classified as Hazardous Waste as it is supplied.

Waste generation should be avoided or minimised where possible. When handling waste, the safety precautions applying to handling of the product should be considered. Label the containers containing waste and remove from the area as soon as possible. Label the containers containing waste contaminated material and remove from the area as soon as possible.

Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge. Where wastes undergo disposal, external recovery or treatment, it must comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. If wastes undergo incineration, they must be suitable for it at an approved facility.

Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort.

List of waste code is 08 01 12 -waste paint and varnish other than those mentioned in 08 01 11. These codes have been assigned based on the actual composition of the product as supplied. Seek advice from a hazardous/non-hazardous waste specialist for waste classification.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not applicable

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Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 0 g/L

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this substance.

SECTION 16: Other information

Indication of changes:

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.

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Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
bw	Bodyweight
ATP	Adaptation to Technical Progress
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
CLP	The Classification, Labelling and Packaging
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
M	M Factor
mg	Milligrams
NI	Northern Ireland
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
ROI	Republic of Ireland
SCL	Specific Classification Limit
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit

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Abbreviations and acronyms:	
VOC	Volatile Organic Compounds
CAS-No.:	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Key literature references and sources for data

- Supplier's Safety documents

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.