

SAFETY DATA SHEET

Linosa Polysorbate 80

SDS · Version 2.0 · Revision date: 26 July 2026 · Compiled per Regulation (EU) 2015/830 (UK retained REACH)

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

Product identifier	Linosa Polysorbate 80
Chemical identity	Polyoxyethylene (20) sorbitan mono-oleate
CAS No.	9005-65-6
EC / EINECS No.	Polymer (exempt)
Relevant identified uses	Surfactant / emulsifier for formulation.
Uses advised against	None identified.
Supplier	Linosa Ltd (Speciality Chemicals) ICG House, Station Approach, Oldfield Lane North, Greenford, Middlesex, UB6 0AL, UK Tel: +44 (0) 1923 842304 Email: linosa@linosaltld.co.uk Web: www.linosaltld.co.uk
Emergency telephone	Linosa Ltd: +44 (0) 1923 842304 (business hours) NHS Poisons Information Service (out of hours): 0344 892 0111

SECTION 2: Hazards identification

2.1 Classification (Regulation (EC) No 1272/2008, CLP)

Hazard class	Category	Hazard statement
Serious eye damage / eye irritation	Category 2	H319 — Causes serious eye irritation

2.2 Label elements

	Signal word: Warning Hazard statements H319 — Causes serious eye irritation.
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Precautionary statements

P264 — Wash hands thoroughly after handling.

P280 — Wear eye protection.

P305 + P351 + P338 — IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 — If eye irritation persists: Get medical advice / attention.

2.3 Other hazards

The product is not identified as a PBT or vPvB substance.

SECTION 3: Composition / information on ingredients

Substance (polymer).

Component	CAS No.	EC No.	Conc.	CLP classification
Polyoxyethylene (20) sorbitan mono-oleate	9005-65-6	Polymer	100 %	Eye Irrit. 2 (H319)

SECTION 4: First aid measures

Skin contact	Wash immediately with plenty of soap and water. There may be mild irritation at the site of contact.
Eye contact	Bathe the eye with running water for 15 minutes. There may be irritation and pain.
Ingestion	Do not induce vomiting. Wash out mouth with water. Give one cup of water to drink every 10 minutes.
Inhalation	Remove the casualty from exposure, ensuring your own safety. Move to fresh air; if conscious, ensure the casualty sits or lies down.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray, carbon dioxide, alcohol-resistant foam, dry chemical powder.
Special hazards	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
Advice for firefighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: Accidental release measures

Personal precautions	Wear personal protective equipment (Section 8). Mark out the contaminated area and prevent access. Turn leaking containers leak-side up.
Environmental precautions	Do not discharge into drains or rivers. Contain the spillage using bunding.
Cleaning up	Absorb into dry earth or sand and transfer to a closable, labelled salvage container for disposal. Wash the spillage site with large amounts of water.

SECTION 7: Handling and storage

Safe handling	Ensure there is sufficient ventilation of the area.
Storage	Store in a cool, well-ventilated area. Keep only in the original packaging.

SECTION 8: Exposure controls / personal protection

No workplace exposure limits or DNEL/PNEC values are available for the substance.

Engineering measures	Ensure there is sufficient ventilation of the area.
Respiratory protection	Not normally required.
Hand protection	Protective gloves.
Eye protection	Safety goggles.
Body protection	Protective clothing.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Colour	Amber
Odour	Characteristic
pH	7
Boiling point	> 200 °C
Melting point	Reported as 150 °C (per source — see flag)
Relative density	1.10
Solubility in water	Miscible
Viscosity	720 cSt (25 °C)

Flag — melting point

The source states a melting point of 150 °C, which is inconsistent with the product being a liquid at room temperature. This value appears to be an error and should be confirmed (polysorbate 80 is liquid; its pour/melting point is well below 0 °C).

SECTION 10: Stability and reactivity

Reactivity / stability	Stable under normal conditions of storage and use.
Conditions to avoid	Heat.
Incompatible materials	Bases, metals, oxidising agents.
Hazardous decomposition products	In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

SECTION 11: Toxicological information

Acute oral toxicity: LD50 25 000 mg/kg (mouse) — very low toxicity. Serious eye damage / irritation: classified Eye Irrit. 2 (H319). Reported effects: mild skin irritation; eye irritation and pain; soreness/redness of the mouth and throat on ingestion; throat irritation on inhalation.

SECTION 12: Ecological information

Aquatic toxicity	No data available.
Persistence & degradability	Readily biodegradable.
Bioaccumulative potential	No data available.
PBT / vPvB	Not identified as a PBT or vPvB substance.

SECTION 13: Disposal considerations

Transfer to a suitable container and arrange for collection by a specialised disposal company. Dispose of in accordance with local and national regulations. The applicable European Waste Catalogue (EWC) code should be assigned by the waste holder.

SECTION 14: Transport information

Not classified as dangerous goods for transport under ADR/RID (road/rail), IMDG (sea) or IATA/ICAO (air). UN number: none.

SECTION 15: Regulatory information

This Safety Data Sheet is compiled under Regulation (EC) No 1907/2006 (REACH) and Regulation (EU) 2015/830 (UK retained law), with classification under Regulation (EC) No 1272/2008 (CLP). Chemical safety assessment: none has been carried out for the substance by the supplier.

SECTION 16: Other information

Full text of hazard statements: H319 Causes serious eye irritation.

Revision note: Reformatted into the current Linosa Ltd house Safety Data Sheet and recompiled from the older format (referencing Commission Regulation (EU) No 453/2010) to Regulation (EU) 2015/830. Superseded fax number removed; current company details applied.

Abbreviations: CLP – Classification, Labelling and Packaging; REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals; LD50 – median lethal dose; PBT/vPvB – Persistent, Bioaccumulative and Toxic / very Persistent, very Bioaccumulative; EWC – European Waste Catalogue.

Disclaimer: *The information in this Safety Data Sheet is based on data available to Linosa Ltd at the date of issue and is given in good faith. It does not constitute a guarantee of any particular property. It is the user's responsibility to ensure the product is suitable and safe for the intended use.*