

SAFETY DATA SHEET**Solar S**

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name Solar S
 Product number 7985/22317

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

Identified uses Last rinse additive; finishing agent

1.3. Details of the supplier of the safety data sheet

Supplier WashCo
 Unit 11
 Arnhem Road
 Newbury
 Berkshire
 RG14 5RU
 T: 08000 546 546

1.4. Emergency telephone number

National emergency telephone number NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

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
 Precautionary statements P262 Do not get in eyes, on skin, or on clothing.
 Detergent labelling < 5% aliphatic hydrocarbons, < 5% cationic surfactants, < 5% perfumes, Contains Linalool, LIMONENE, HEXYL CINNAMAL

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Linalool			0.045
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-0000	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319			

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d-LIMONENE 0.0292 CAS number: 5989-27-5 EC number: 227-813-5 REACH registration number: 01-2119529223-47-XXXX M factor (Acute) = 1 M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
HEXYL CINNAMAL 0.012 CAS number: 101-86-0 EC number: 202-983-3 M factor (Acute) = 1
Classification Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411
COUMARIN 0.004 CAS number: 91-64-5 EC number: 202-086-7
Classification Acute Tox. 4 - H302 Skin Sens. 1B - H317
EUGENOL 0.004 CAS number: 97-53-0 EC number: 202-589-1
Classification Eye Irrit. 2 - H319 Skin Sens. 1B - H317

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Non-volatile liquid product.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Prolonged skin contact may cause redness and irritation.

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Eye contact Irritation of eyes and mucous membranes.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

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 Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep above the chemical's freezing point to avoid rupturing the container. Store in tightly-closed, original container.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

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WEL = Workplace Exposure Limit

Fatty acids, C16-18 (even numbered) and C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized (CAS: 91995-81-2)

DNEL	Workers - Dermal; Long term systemic effects: 312.5 mg/kg/day Workers - Inhalation; Long term systemic effects: 44 mg/m ³ General population - Oral; Long term systemic effects: 7.5 mg/kg/day General population - Inhalation; Long term systemic effects: 13 mg/m ³ General population - Dermal; Long term systemic effects: 187.5 mg/kg/day
PNEC	- Fresh water; 0.065 mg/l - marine water; 0.0065 mg/l - Sediment; 141 mg/kg - Soil; 574 mg/kg - STP; 2.96

PROPAN-2-OL (CAS: 67-63-0)

DNEL	Workers - Dermal; Long term systemic effects: 888 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 500 mg/m ³ Consumer - Dermal; Long term systemic effects: 319 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 89 mg/m ³ Consumer - Oral; Long term systemic effects: 26 mg/kg bw/day
PNEC	- Fresh water; 140.9 mg/l - marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - STP; 2251 mg/l - Sediment; 552 mg/kg - Soil; 28 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	No hand protection required when using product. Hand protection is advisable for bulk handling or manufacture of this product.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Opaque liquid.
Colour	Pink.
Odour	Perfume.
pH	pH (diluted solution): 7.4 1%
Relative density	~ 1.00 @ 20°C

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Solubility(ies) Soluble in water.

9.2. Other information

Other information Not known.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Oxidising agents. Reducing agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Oxides of the following substances: Carbon. Nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Slightly irritating.

Eye contact May cause severe eye irritation.

Acute and chronic health hazards This product may cause skin and eye irritation. Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

SECTION 12: Ecological information

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

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is non-volatile.

12.5. Results of PBT and vPvB assessment

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Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

EURAL Code

SECTION 14: Transport information

General Not regulated.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

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

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).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revision is to include emergency telephone number
Revision date	14/02/2019
Revision	4
Supersedes date	06/12/2018

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SDS number

7985/22317

Hazard statements in full

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.