

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

1.1. Product identifier

Product form	: Substance (UVCB)
Trade name	: LECICO SUN 400
EC no.	: 232-307-2
CAS No.	: 8002-43-5
REACH registration No.	: 1907/2006/EC Annex IV
C&L notification reference no	: not applicable (non classified; Annex IV)
Label name	: Fluid sunflower lecithin

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

1.2.1. Relevant identified uses

Main use category	: Industrial use
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1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

OLEON N.V.
Assenedestraat 2
BE 9940 Ertvelde
Belgium
T +32 9 341 10 11, F +32 9 341 10 00
sds@oleon.com, www.oleon.com

1.4. Emergency telephone number

No additional information available

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

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%
Lecithin, sunflower fluid	CAS No.: 8002-43-5 EC no.: 232-307-2 REACH-no: 1907/2006/EC Annex IV	≤ 100

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove victim to fresh air.
First-aid measures after skin contact	: Wash off immediately with soap and plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Rinse mouth out with water. Immediately after ingestion: give lots of water to drink. Call a poison center (www.who.int/ipcs/poisons/centre/directory/en).

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

Symptoms/effects : Unlikely.

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

No supplementary information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Quick-acting ABC powder extinguisher. Water (quick-acting extinguisher, reel). Class A foam. Class A foam extinguisher. Water.
Unsuitable extinguishing media	: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: On heating/burning: release of toxic and corrosive gases/vapours (phosphorus oxides, nitrous vapours, carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions	: Dilute toxic gases with water spray.
Protection during firefighting	: Heat/fire exposure: compressed air/oxygen apparatus (EN 136 + EN 137).
Other information	: No supplementary information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Mark the danger area. Exposure to fire/heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothing before reuse.
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6.1.1. For non-emergency personnel

Protective equipment	: Gloves (EN 374).
Emergency procedures	: Mark the danger area. No naked flames. Wash contaminated clothing before reuse.

6.1.2. For emergency responders

Protective equipment	: For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment	: Plug the leak, cut off the supply. Contain released product. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).
Methods for cleaning up	: Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
Other information	: No supplementary information available.

6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from naked flames/heat. Comply with applicable regulations. Wash contaminated clothing before reuse. Thoroughly clean/dry the installation before use. Keep container tightly closed.
Handling temperature	: ≈ 25 °C
Hygiene measures	: Observe normal hygiene standards.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep only in the original container in a cool, well-ventilated place away from moisture. Do not place spilled materials back into the original container.
Storage conditions	: Keep container tightly closed and away from heat, sparks and flame.
Storage temperature	: ≈ 25 °C
Heat and ignition sources	: KEEP AWAY FROM: Heat sources.
Information on mixed storage	: KEEP AWAY FROM: Oxidizing agents.

Storage area	: Store in a cool location. Store in a dry area. Provide for a cooling system. May be stored under argon. Meet the legal requirements.
Special rules on packaging	: Keep the container hermetically sealed. Keep dry, watertight, clean. Suitably labelled. Meet the legal requirements. Secure fragile packagings in solid containers.
Packaging materials	: No supplementary information available.

7.3. Specific end use(s)

No additional information available

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

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

No special protection required.

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow to brown.
Appearance (room temperature)	: Viscous liquid.
Odour	: Characteristic. Sweet odour.
Odour threshold	: Not available
Melting point	: No supplementary information available
Freezing point	: Not available
Boiling point	: > 200 °C
HMIS Flammability	: Not available
Oxidising properties	: Not oxidising.

Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 150 °C
Auto-ignition temperature	: > 250 °C
Decomposition temperature	: Flash point
pH	: 5.5 – 7.5 (10g/l H ₂ O, 25°C)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: < 25 Pa·s (25°C)
Solubility	: Dispersible (partial solubilisation) in: Water. Soluble in ether. Soluble in chloroform. Soluble in petroleum spirit. Water: Dispersible Organic solvent:> 99 % w/w Hexane
Partition coefficient n-octanol/water (Log K _{ow})	: Not available
Vapour pressure	: No supplementary information available
Vapour pressure at 50 °C	: Not available
Density	: 1.03 – 1.05 g/cm ³ (20°C)
Relative density	: Not available
Relative vapour density at 20°C	: Not applicable
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	: < 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)
Other properties	: No supplementary information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No supplementary information available.

10.2. Chemical stability

Unstable on exposure to light. Unstable on exposure to moisture. Unstable on exposure to air.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

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LD50 oral rat	> 2000 mg/kg Non-toxic
Skin corrosion/irritation	: Not classified pH: 5.5 – 7.5 (10g/l H ₂ O, 25°C)
Serious eye damage/irritation	: Not classified pH: 5.5 – 7.5 (10g/l H ₂ O, 25°C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

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Viscosity, kinematic	23809.5 – 24271.8 mm ² /s
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air	: None of the known components is included in the list of substances which may contribute to the greenhouse effect (IPCC). None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: No bioaccumulation data available
Ecology - water	: Mild water pollutant (surface water). No data available on ecotoxicity.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

12.2. Persistence and degradability

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Persistence and degradability	Biodegradability in water: no data available.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available concerning bioaccumulation.
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12.4. Mobility in soil

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Ecology - soil	Biodegradability in soil: no data available.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal	: Prevent dispersion by covering with dry absorbent, Scoop solid spill into closing containers, Scoop absorbed substance into closing containers, Clean contaminated surfaces with an excess of water and soap solution, Wash clothing and equipment after handling
Regional waste regulation	: No supplementary information available.
Product/Packaging disposal recommendations	: Remove to an authorized waste treatment plant.
Additional information	: Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
Ecological waste information	: Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.
European List of Waste (LoW, EC 2000/532)	: 16 03 06 - organic wastes other than those mentioned in 16 03 05

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable
UN-No. (RID)	: Not applicable

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

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)

Not listed on REACH Annex XVII

REACH Annex XIV (Authorisation List)

Not listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Not listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Not listed on the PIC list (Regulation EU 649/2012)

POP Regulation (Persistent Organic Pollutants)

Not listed on the POP list (Regulation EU 2019/1021)

Ozone Regulation (1005/2009)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

VOC Directive (2004/42)

VOC content : < 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)

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)

15.1.2. National regulations

Chemical inventories	: Compliant with AICIS, DSL, ECST, EU REACH, IECSC, INSQ, KECL, NCI, NZIoC, PICCS, TCSI, TECL_DIW, TECL_FDA, TR EAEU, TSCA
KKDIK number (Turkey)	: KKDIK Annex IV
K-REACH (Korea)	: exempted from (pre)registration according to K-REACH Appendix 2
UK-REACH (Great Britain)	: exempted from registration
Swiss ChemO (SR 813.11)	: This substance is not subject to the obligation to register pursuant to art.69 of the Chemicals Ordinance (ChemO)

Germany

Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).
Water hazard class (WGK)	: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 3003).
Major Accidents Ordinance (12. BImSchV)	: Is not subject to the Major Accidents Ordinance (12. BImSchV)

Netherlands

ABM category	: A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment
SZW-lijst van kankerverwekkende stoffen	: The substance is not listed
SZW-lijst van mutagene stoffen	: The substance is not listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

Switzerland

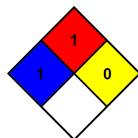
Storage class (LK) : LK 10/12 - Liquids

15.2. Chemical safety assessment

No chemical safety assessment needed: the substance is not classified and exempt from Regulation EC No 1907/2006 (REACH) under Annex IV.

SECTION 16: Other information

Training advice : No supplementary information available.
Chem. inventories legend : AICIS = Australian Inventory of Industrial Chemicals
DSL = Canadian Domestic Substances List
ECST = Existing Chemical Substances Inventory of Taiwan
EU REACH = European Union REACH Regulation 1907/2006
IECSC = Inventory of Existing Chemicals Substances in China
INSQ = Mexico National Inventory of Chemical Substance
KECL = Korean Existing Chemical List
NCI = National Chemical Inventory
NZIoC = New Zealand Inventory of Chemicals
PICCS = Philippines Inventory of Chemicals and Chemical Substances
TCSI = Taiwan Chemical Substance Inventory
TECI_DIW = Thailand Existing Chemicals Inventory - Department of Industrial Works List
TECI_FDA = Thailand Existing Chemicals Inventory - Food and Drug Administration List
TR EAEU = Eurasian Economic Union Unified list of chemicals
TSCA (Active) = USA Toxic Substances Control Act
SDS changed sections : 8 - Exposure controls/personal protection
SDS Reason for revision : No supplementary information available
NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.
NFPA image :



Other information : No supplementary information available.

SDS EU Oleon Annex II

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.