

## 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

#### Relevant identified uses

|                   |                  |
|-------------------|------------------|
| Main use category | : Industrial use |
|-------------------|------------------|

### 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](mailto:sds@oleon.com), [www.oleon.com](http://www.oleon.com)

### 1.4. Emergency telephone number

|                  |                                                                                                                           |
|------------------|---------------------------------------------------------------------------------------------------------------------------|
| Emergency number | : 24/7 EMERGENCY NUMBER (SGS ERS; Oleon contract nr 76858)<br>+32 3 575 55 55 (worldwide); +1 888 765 6554 (USA tollfree) |
|------------------|---------------------------------------------------------------------------------------------------------------------------|

## 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<br>EC no.: 232-307-2<br>REACH-no: 1907/2006/EC<br>Annex IV | ≤ 100 |

## 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 : Gently wash with plenty of soap and 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](http://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 BC powder extinguisher. Quick-acting CO2 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 burning: release of toxic gases/vapours.

### 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.

#### For non-emergency personnel

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

#### For emergency responders

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

### 6.2. Environmental precautions

Prevent soil and water pollution.

### 6.3. Methods and material for containment and cleaning up

For containment : Stop leak without risks if possible. 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

Concerning disposal elimination after cleaning, see 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 – 60 °C  
Hygiene measures : Good standard of personal hygiene.

### 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.

#### Switzerland

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

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Personal protection equipment

##### Personal protective equipment:

No special protection required.

## 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. Not rancid.                                                                                                                  |
| 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.                                                                                                                               |
| 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 <sub>2</sub> O, 25°C)                                                                                                     |
| Viscosity, kinematic                                         | : 38095.238 – 38834.951 mm <sup>2</sup> /s                                                                                                     |
| Viscosity, dynamic                                           | : < 40 Pa·s (25°C)                                                                                                                             |
| Solubility                                                   | : Soluble in ether. Soluble in chloroform. Soluble in petroleum spirit.<br>Water: Insoluble; Dispersible<br>Organic solvent: > 99 % w/w Hexane |
| Partition coefficient n-octanol/water (Log K <sub>ow</sub> ) | : Not available                                                                                                                                |
| Vapour pressure                                              | : No supplementary information available                                                                                                       |
| Vapour pressure at 50 °C                                     | : Not available                                                                                                                                |
| Density                                                      | : 1.03 – 1.05 g/cm <sup>3</sup> (20°C)                                                                                                         |
| Relative density                                             | : Not available                                                                                                                                |
| Relative vapour density at 20°C                              | : Not applicable                                                                                                                               |
| Particle characteristics                                     | : Not applicable                                                                                                                               |

### 9.2. Other information

#### 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 |

#### LECICO SUN 400 (8002-43-5)

|                                   |                                                                  |
|-----------------------------------|------------------------------------------------------------------|
| LD50 oral rat                     | > 2000 mg/kg Non-toxic                                           |
| Skin corrosion/irritation         | : Not classified<br>pH: 5.5 – 7.5 (10g/l H <sub>2</sub> O, 25°C) |
| Serious eye damage/irritation     | : Not classified<br>pH: 5.5 – 7.5 (10g/l H <sub>2</sub> 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                                                 |

#### LECICO SUN 400 (8002-43-5)

|                      |                                    |
|----------------------|------------------------------------|
| Viscosity, kinematic | 38095.2 – 38835 mm <sup>2</sup> /s |
|----------------------|------------------------------------|

### 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 data available concerning bioaccumulation                                                                                                                                                                                                                                                                                 |
| 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

#### LECICO SUN 400 (8002-43-5)

|                               |                                               |
|-------------------------------|-----------------------------------------------|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|-----------------------------------------------|

### 12.3. Bioaccumulative potential

#### LECICO SUN 400 (8002-43-5)

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Bioaccumulative potential | No data available concerning bioaccumulation. |
|---------------------------|-----------------------------------------------|

### 12.4. Mobility in soil

#### LECICO SUN 400 (8002-43-5)

|                |                                              |
|----------------|----------------------------------------------|
| Ecology - soil | Biodegradability in soil: no data available. |
|----------------|----------------------------------------------|

### 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

#### LECICO SUN 400 (8002-43-5)

|                   |                                        |
|-------------------|----------------------------------------|
| Other information | No supplementary 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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID number</b>     |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable | Not applicable |
| 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

#### 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 (2024/590)

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

##### Council Regulation (EC) for the control of dual-use items

Not listed on the COUNCIL REGULATION (EC) of dual-use items.

##### VOC Directive (2004/42)

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

##### Explosives Precursors Regulation (EU 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 (EC 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)

#### National regulations

|                          |                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------|
| Chemical inventories     | : Compliant with AICIS, DSL, EU REACH, IECSC, INSQ, KECL, NCI, NZIoC, PICCS, TCSI, TECI_DIW, TECI_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).<br>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).                                                                                                 |
| VOC content              | : < 3 % (1999/13/EC; 2004/42/EC; 2010/75/EU; SR 814.018)                                                                                                                              |

#### Netherlands

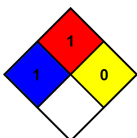
|              |                                                                                                       |
|--------------|-------------------------------------------------------------------------------------------------------|
| ABM category | : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment |
|--------------|-------------------------------------------------------------------------------------------------------|

|                                                   |                               |
|---------------------------------------------------|-------------------------------|
| SZW List of Carcinogenic Substances               | : The substance is not listed |
| SZW List of Mutagenic Substances                  | : The substance is not listed |
| SZW List of Reprotoxic Substances – Breastfeeding | : The substance is not listed |
| SZW List of Reprotoxic Substances – Fertility     | : The substance is not listed |
| SZW List of Reprotoxic Substances – Development   | : The substance is not listed |

## 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Chemical inventories legend | : AICIS = Australian Inventory of Industrial Chemicals<br>DSL = Canadian Domestic Substances List<br>EU REACH = European Union REACH Regulation 1907/2006<br>IECSC = Inventory of Existing Chemicals Substances in China<br>INSQ = Mexico National Inventory of Chemical Substance<br>KECL = Korean Existing Chemical List<br>NCI = Vietnam National Chemical Inventory<br>NZIoC = New Zealand Inventory of Chemicals<br>PICCS = Philippines Inventory of Chemicals and Chemical Substances<br>TCSI = Taiwan Chemical Substance Inventory<br>TECI_DIW = Thailand Existing Chemicals Inventory - Department of Industrial Works List<br>TECI_FDA = Thailand Existing Chemicals Inventory - Food and Drug Administration List<br>TR EAEU = Eurasian Economic Union Unified list of chemicals<br>TSCA = USA Toxic Substances Control Act |
| SDS changed sections        | : 7 - Handling and storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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.