

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

1.1. Product identifier

Product form	: Substance (UVCB)
Trade name	: LUCEE Oil Sunflower HOSO RBDW KH (6230K)
IUPAC name	: Glycerides, C16-18 and C18-unsatd.
EC no.	: 266-948-4
CAS No.	: 67701-30-8
REACH registration No.	: 1907/2006/EC Annex V.9
C&L notification reference no	: not applicable (non classified; Annex V)

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

Relevant identified uses

Industrial/Professional use spec.	: Wide dispersive use
Use of the substance/mixture	: Others: various technical uses (lubricant, solvent, additive, fuel production, etc.)
Use of the substance/mixture	: Food industry Animal feeding stuff Cosmetics

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

Distributor

OLEON Ltd
Standard Way Industrial Estate
GB DL6 2XA Northallerton
United Kingdom
T +44 (0)1609 766790 (incl. emergency)

1.4. Emergency telephone number

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

Other hazards which do not result in classification : Combustible liquid. Non flammable. Spill area may be slippery.

The product does not meet the PBT and vPvB classification criteria

The 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 : UVCB

Name	Product identifier	%
Glycerides, C16-18 and C18-unsatd.	CAS No.: 67701-30-8 EC no.: 266-948-4 REACH-no: 1907/2006/EC Annex V.9	≤ 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 the victim into fresh air. Respiratory problems: consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion	: Rinse mouth with water. Call Poison Information Centre (www.who.int/ipcs/poisons/centre/directory/en). Consult a doctor/medical service if you feel unwell.

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

Symptoms/effects : No supplementary information available.

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 : AFFF foam. BC-powder. Carbon dioxide. Dry sand. Dry chemical powder. Use the extinguishing media recommended for the burning materials and fire situation.

Unsuitable extinguishing media : Solid water jet ineffective as extinguishing medium.

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.

Reactivity in case of fire : On burning: release of carbon monoxide/carbon dioxide.

5.3. Advice for firefighters

Other information : No supplementary information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Caution : this product can cause the floor to be slippery. 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 : See "Material-Handling" to select protective clothing.

For emergency responders

Protective equipment : Use protective measures listed in Section 8.

6.2. Environmental precautions

Prevent soil and water pollution. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with a soap solution. Flush/dilute with water. Take up liquid spill into inert absorbent material, e.g.: sand, earth, vermiculite, powdered limestone.

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 : May be dangerously slippery if spilled.

Handling temperature : ≥ 10 °C above melting point

7.2. Conditions for safe storage, including any incompatibilities

Information on mixed storage : KEEP AWAY FROM: ignition sources. (strong) acids. (strong) bases.

Storage area : Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labelled. Meet the legal requirements.

Packaging materials : No supplementary information available.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
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Germany

Storage class (LGK, TRGS 510)

Joint storage table

: LGK 10 - Combustible liquids

LGK 1	LGK 2A	LGK 2B	LGK 3	LGK 4.1A
LGK 4.1B	LGK 4.2	LGK 4.3	LGK 5.1A	LGK 5.1B
LGK 5.1C	LGK 5.2	LGK 6.1A	LGK 6.1B	LGK 6.1C
LGK 6.1D	LGK 6.2	LGK 7	LGK 8A	LGK 8B
LGK 10	LGK 11	LGK 12	LGK 13	LGK 10-13

Joint storage not permitted for

Joint storage with restrictions permitted for

Joint storage permitted for

: LGK 1, LGK 2A, LGK 5.1A, LGK 6.2, LGK 7

: LGK 4.1A, LGK 4.2, LGK 4.3, LGK 5.1B, LGK 5.1C, LGK 5.2

: LGK 2B, LGK 3, LGK 4.1B, LGK 6.1A, LGK 6.1B, LGK 6.1C, LGK 6.1D, LGK 8A, LGK 8B, LGK 10, LGK 11, LGK 12, LGK 13, LGK 10-13

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

National occupational exposure and biological limit values

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

EU - Indicative Occupational Exposure Limit (IOEL)

This product does not contain substances with professional limit exposure values

8.2. Exposure controls

Personal protection equipment

Personal protective equipment:

Protective clothing. Safety glasses.

Personal protective equipment symbol(s):



Skin protection

Hand protection:

In case of repeated or prolonged contact wear gloves

Other skin protection

Materials for protective clothing:

Good resistance: Nitrile rubber

Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

Environmental exposure controls

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow-amber.
Appearance (room temperature)	: Viscous.
Odour	: Almost odourless. Sweet odour.
Odour threshold	: Not available
Melting point	: $\approx -17\text{ }^{\circ}\text{C}$
Freezing point	: Not available
Boiling point	: $> 200\text{ }^{\circ}\text{C}$
HMIS Flammability	: Not available
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: $> 200\text{ }^{\circ}\text{C}$
Auto-ignition temperature	: $> 320\text{ }^{\circ}\text{C}$
Decomposition temperature	: Flash point
pH	: not applicable (non aqueous product)
Viscosity, kinematic	: Not available
Viscosity, dynamic	: $\approx 51\text{ mPa}\cdot\text{s}$ (20°C)
Solubility	: Insoluble in water. Water: $< 1\text{ mg/l}$
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: No supplementary information available
Vapour pressure at $50\text{ }^{\circ}\text{C}$	: Not available
Density	: No supplementary information available
Relative density	: $0.92 - 0.95$ (20°C)
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Other safety characteristics

VOC content	: not determined (1999/13/EC; 2004/42/EC; 2010/75/EU)
Other properties	: Soluble in oils/fats, Soluble in most organic solvents

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of carbon monoxide/carbon dioxide.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Oxidizing agents and strong acids.

10.6. Hazardous decomposition products

acrolein; prop-2-enal; acrylaldehyde. Aldehydes. soot.

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

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

LD50 oral rat	> 2000 mg/kg Non-toxic
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Skin corrosion/irritation : Not classified
pH: not applicable (non aqueous product)

Serious eye damage/irritation : Not classified
pH: not applicable (non aqueous product)

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

11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The substance/mixture has no endocrine disrupting properties.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : According to literature: no environmental hazard.
Ecology - air : No supplementary information available.

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Ecology - water	: No data available concerning bioaccumulation
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

LC50 - Fish [1]	> water solubility (bibliography and QSAR; ToxMINDS 2008)
EC50 - Crustacea [1]	> water solubility (bibliography and QSAR; ToxMINDS 2008)
EC50 72h - Algae [1]	> water solubility (bibliography and QSAR; ToxMINDS 2008)

12.2. Persistence and degradability

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	Rich in DBO; do not overload water treatment plants

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

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

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

The product does not meet the PBT and vPvB classification criteria

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties	: The 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.
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12.7. Other adverse effects

LUCEE Oil Sunflower HOSO RBDW KH (6230K) (67701-30-8)

Other information	No supplementary information available
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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
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Regional waste regulation	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Avoid discharge to the environment.
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)	: No supplementary information available

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

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 : not determined (1999/13/EC; 2004/42/EC; 2010/75/EU)

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, KECL, NCI, NZIoC, PICCS, TCSI, TR EAEU, TSCA
KKDIK number (Turkey)	: KKDIK Annex V.9
K-REACH (Korea)	: exempted from (pre)registration according to K-REACH Appendix 1.4
UK-REACH (Great Britain)	: exempted from registration

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 awg, Hazardous to water in general (Classification according to AwSV; ID No. 9442).
VOC content	: not determined (1999/13/EC; 2004/42/EC; 2010/75/EU)

Netherlands

ABM category	: B(4) - low hazard for aquatic organisms
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

Safety Data Sheet

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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 V, point 9.

SECTION 16: Other information

Training advice : No supplementary information available.
Chemical inventories legend : AICIS = Australian Inventory of Industrial Chemicals
DSL = Canadian Domestic Substances List
EU REACH = European Union REACH Regulation 1907/2006
IECSC = Inventory of Existing Chemicals Substances in China
KECL = Korean Existing Chemical List
NCI = Vietnam National Chemical Inventory
NZIoC = New Zealand Inventory of Chemicals
PICCS = Philippines Inventory of Chemicals and Chemical Substances
TCSI = Taiwan Chemical Substance Inventory
TR EAEU = Eurasian Economic Union Unified list of chemicals
TSCA = USA Toxic Substances Control Act
SDS changed sections : 1 - Identification of the substance/mixture and of the company/undertaking
SDS Reason for revision : No supplementary information available
Other information : No supplementary information available.
The classification complies with : ATP 12
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.