

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

* 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name: Oleum Salviae 30 %**
- **Article number:** G500
- **Registration number** The substance is exempt from UK REACH-registration.
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture** Ingredient for pharmaceutical drugs
- **Uses advised against** No relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
CAELO
Caesar & Loretz GmbH
Herderstr. 31
D-40721 Hilden
GERMANY
- **Further information obtainable from:**
E-mail: info@caelo.de
Tel.: +49210349940 (during regular opening hours)
- **Emergency telephone number:**
Poison Information Center Bonn
Venusberg-Campus 1, 53127 Bonn
Tel: +49 (0) 228-192400

* 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 3 H226 Flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



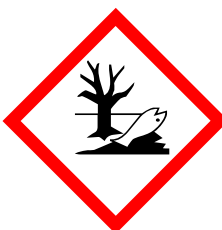
GHS02



GHS07



GHS08



GHS09

(Contd. on page 2)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 1)

Signal word Danger**Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures**CAS-No.** 97952-71-1**EC-No.** 308-365-0**Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 546-80-5 Thujone >25–50%

EINECS: 208-912-2 Acute Tox. 3, H301; Acute Tox. 3, H331

CAS: 76-22-2 Bornan-2-on >25–50%

EINECS: 200-945-0 Flam. Sol. 2, H228; STOT SE 2, H371; Acute Tox. 4, H332

CAS: 470-82-6 eucalyptol >10–20%

EINECS: 207-431-5 Flam. Liq. 3, H226; Skin Sens. 1, H317

CAS: 79-92-5 camphene >5–<10%

EINECS: 201-234-8 Flam. Sol. 1, H228; Aquatic Chronic 2, H411; Eye Irrit. 2, H319

CAS: 7785-26-4 l.-alpha.-Pinene >5–<10%

EINECS: 232-077-3 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317

(Contd. on page 3)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

		(Contd. of page 2)
CAS: 87-44-5	beta-Caryophyllene	>2.5–5%
EINECS: 201-746-1	Asp. Tox. 1, H304; Skin Sens. 1, H317	
CAS: 138-86-3	dipentene	>2.5–5%
EINECS: 205-341-0	Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 507-70-0	Borneol	>2.5–5%
EINECS: 208-080-0	Flam. Sol. 2, H228; STOT SE 2, H371	
CAS: 98-55-5	alpha-Terpineol	1–2.5%
EINECS: 202-680-6	Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 18172-67-3	l.-beta.-Pinene	>1–<2.5%
EINECS: 242-060-2	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	
CAS: 123-35-3	Myrcene	>0.25–<1%
EINECS: 204-622-5	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
CAS: 78-70-6	Linalool	>0.1–<1%
EINECS: 201-134-4	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317	
· Additional information: For the wording of the listed hazard phrases refer to section 16.		

4 First aid measures

· **Description of first aid measures**

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

(Contd. on page 4)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 3)

- **Advice for firefighters**
 - **Protective equipment:** In case of fire wear suitable protective clothes and respiratory protection.
 - **Additional information**
Prevent from entering into drains. Fire residues must be disposed in accordance with official regulations.
-

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
 - **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
 - **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
 - **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
-

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
 - **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
 - **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**
Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Protect from heat and direct sunlight.
 - **Storage class:** TRHS 510: 3 Flammable liquid
 - **Specific end use(s)** No further relevant information available.
-

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 5)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 4)

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
 - **CAS: 76-22-2 Bornan-2-on**
AGW (Germany) Short-term value: 13 mg/m³, 2 ppm
 - **CAS: 138-86-3 dipentene**
MAK (Germany) vgl.Abschn.IIb
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Avoid contact with the skin.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:** Respiratory with filter.
- **Protection of hands:** Protective gloves
- **Material of gloves**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed goggles

* 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - **Form:** Fluid
 - **Colour:** Yellowish
 - **Odour:** Characteristic
 - **Odour threshold:** Not determined.
 - **pH-value:** Not determined.
- **Change in condition**
 - **Melting point/freezing point:** Undetermined.
 - **Initial boiling point and boiling range:** Undetermined.
- **Flash point:** 58 °C
- **Flammability (solid, gas):** Not applicable.
- **Decomposition temperature:** Not determined.

(Contd. on page 6)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 5)

· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.918 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	>1.8–3.6 %
VOC (EC)	>1.82–3.65 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**
 - ATE (Acute Toxicity Estimates)**
 - Oral LD50 274 mg/kg
 - Inhalative LC50 4.11–<4.57 mg/m³
- **CAS: 76-22-2 Bornan-2-on**
- Oral LD50 1,310 mg/kg (mouse)

(Contd. on page 7)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 6)

5,000 mg/kg (rat)

CAS: 79-92-5 camphene

Oral LD50 5,000 mg/kg (rat)

Dermal LD50 2,500 mg/kg (rab)

CAS: 7785-26-4 l.-alpha.-Pinene

Oral LD50 3,700 mg/kg (rat)

CAS: 98-55-5 alpha-Terpineol

Oral LD50 4,300 mg/kg (rat)

CAS: 78-70-6 Linalool

Oral LD50 2,790 mg/kg (rat)

Dermal LD50 5,610 mg/kg (rabbit)

Primary irritant effect:**Skin corrosion/irritation**

Causes skin irritation.

Serious eye damage/irritation Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

Additional toxicological information:**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

12 Ecological information

Toxicity**Aquatic toxicity:****CAS: 76-22-2 Bornan-2-on**

LC50 36 mg/L /96h (fish: danio rerio)

Persistence and degradability No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Results of PBT and vPvB assessment**PBT:** Not applicable.

(Contd. on page 8)



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 7)

- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to local regulations.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN1993
- **UN proper shipping name**
- **ADR** 1992 FLAMMABLE LIQUID, TOXIC, N.O.S. (camphene, alpha-PINENE), ENVIRONMENTALLY HAZARDOUS FLAMMABLE LIQUID, N.O.S. (camphene, alpha-PINENE, DIPENTENE, l.-beta.-Pinene, Myrcene), MARINE POLLUTANT
- **IMDG**
- **IATA** Flammable liquid, n.o.s. (camphene, alpha-PINENE)
- **Transport hazard class(es)**
- **ADR, IMDG, IATA**
- **Class** 3 Flammable liquids.
- **Label** 3
- **Packing group**
- **ADR, IMDG, IATA** III
- **Environmental hazards:** Product contains environmentally hazardous substances:
l.-alpha.-Pinene
- **Marine pollutant:** Symbol (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)
- **Special precautions for user** Warning: Flammable liquids.
- **Hazard identification number (Kemler code):** 30
- **EMS Number:** F-E,S-E
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**
- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 3
- **Tunnel restriction code** D/E
- **IMDG**
- **Limited quantities (LQ)** 5L

(Contd. on page 9)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 8)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)** Not listed
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Storage of hazardous substances in in nonstationary vessels (TRGS 510) (Germany)**
TRHS 510: 3 Flammable liquid
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

The information provided is based on our current level of knowledge. This MSDS has been compiled and is exclusively for this product intended.

- **Reasons for alterations** This version replaces all old versions.

- **Relevant phrases**

H226 Flammable liquid and vapour.
H228 Flammable solid.
H301 Toxic if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H371 May cause damage to organs.
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.

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Sol. 1: Flammable solids – Category 1
Flam. Sol. 2: Flammable solids – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1B: Skin sensitisation – Category 1B

(Contd. on page 10)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.06.2022

Version number 2.00

Revision: 22.06.2022

Trade name: Oleum Salviae 30 %

(Contd. of page 9)

STOT SE 2: Specific target organ toxicity (single exposure) – Category 2

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**
