

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



73800 Spike-Lavender Oil

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Revised edition: 13.07.2015

Version: 3

Printed: 14.07.2015

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Spike-Lavender Oil

Article No.: 73800

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

No information available.

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

*Flammable liquids, category 3
Acute toxicity (oral), hazard category 4
Eye irritation, category 2
Chronic aquatic toxicity, category 2*

H226 Flammable liquid and vapour.

Cat.: 3

H302 Harmful if swallowed.

Cat.: 4

H319 Causes serious eye irritation.

Cat.: 2

H411 Toxic to aquatic life with long lasting effects.

Cat.: 2

Classification according to EC Regulation No. 67/548 or No. 1999/45

R10 Flammable.

Harmful (Xn) R22 Harmful if swallowed.

Irritating (Xi) R36 Irritating to eyes.

Hazardous to the environment (N) R51 Toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

Safety Phrases:

Possible Environmental Effects:

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2.2. Label Elements

Classification according to EC Regulation 1272/2008

Hazard designation:



GHS02-1



GHS07



GHS09

Signal word:

Warning

Hazard designation:

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ clothing/ eye/ face protection.

Hazardous components for labelling:

2.3. Other Hazards

No information available.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Essential oil

Hazardous Ingredients:

Camphene (Xi,N; R11-51/53; H224-319-410)	ca. 9%	CAS-Nr: 79-92-5 EINECS-Nr: 201-234-8 EC-Nr:
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Terpinyl acetate	ca. 5%	CAS-Nr: 8007-35-0 EINECS-Nr: 232-357-5 EC-Nr:
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Cedar wood oil (Xn; R65; H304)	ca. 3.5%	CAS-Nr: 85085-41-2 EINECS-Nr: 285-370-3 EC-Nr:
Terpineol (Xi; R43; H317)	ca. 27%	CAS-Nr: 98-55-5 EINECS-Nr: 202-680-6 EC-Nr:
Pine oil (Xi; R36-38; H304)	ca. 20%	CAS-Nr: EINECS-Nr: EC-Nr:
Turpentine oil (N, Xn; R10-20/21/22-36/38-43-51-53; H226-332-312-302-304-319-315-317-411)	ca. 20%	CAS-Nr: 8006-64-2 EINECS-Nr: 232-350-7 EC-Nr: 650-002-00-6
Camphor (Xi; R11-36/37/38; H225-315-319-335)	ca. 2%	CAS-Nr: 76-22-2 EINECS-Nr: 200-945-0 EC-Nr:
Dipenten; Cineole; Limonen (Xi,N; R10-38-34-43-51/53; H226-315-317-400-410)	ca. 15%	CAS-Nr: 138-86-3 EINECS-Nr: 205-341-0 EC-Nr:
Myrcene (Xn,N; R10-43-51/53-65; H226-304-317-411)	ca. 1%	CAS-Nr: 123-35-3 EINECS-Nr: 204-622-5 EC-Nr:
Acetophenone (Xn; R22-36; H302-319)	< 1%	CAS-Nr: 98-86-2 EINECS-Nr: 202-708-7 EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air and keep patient calm.

Get medical help.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Drink plenty of water. Get medical help in case of discomfort.

Most important Symptoms and Effects, both Acute and Delayed

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4. 2.

Symptoms:

No further information available.

Effects:

No further information available.

4. 3. **Indication of any Immediate Medical Attention and special Treatment needed**

Treatment:

No further information available.

5. Fire-Fighting Measures

5. 1. **Extinguishing Media**

Suitable extinguishing media:

CO2, extinguishing powder, sand or earth.

Unsuitable extinguishing media:

Water with full jet.

5. 2. **Special Hazards arising from the Substance or Mixture**

Special hazards:

No special hazards.

5. 3. **Advice for Firefighters**

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Cool exposed containers with water spray.

6. Accidental Release Measures

6. 1. **Personal Precautions, Protective Equipment and Emergency Procedures**

Personal precautions:

*Provide adequate ventilation. Keep away from sources of ignition.
Wear protective clothing.*

6. 2. **Environmental Precautions**

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6. 3. **Methods and Material for Containment and Cleaning Up**

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent, saw dust) and dispose accordingly.

6. 4. **Reference to other Sections**

See Section 13 for information on disposal.

7. Handling and Storage

7. 1. **Precautions for Safe Handling**

Instructions on safe handling:

*Avoid the formation of aerosol.
Avoid contact with eyes.*

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Hygienic measures:

Do not eat or drink during work. Do not smoke.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Requirements for storage areas and containers:

Avoid pollution of soil.

Information on fire and explosion protection:

*Keep away from sources of ignition - do not smoke.
Do not store together with: foodstuffs and animal feed.*

Storage class (VCI):

3: Flammable liquids

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

None known

Parameters to be controlled (DE):

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.
Avoid contact with eyes.*

Respiratory protection:

In case of long-term or higher exposure.

Hand protection:

Protective gloves

Protective glove material:

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Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form:

liquid

Color:

yellowish

Odor:

aromatic

Odor threshold:

No information available.

pH-Value:

not determined

Melting temperature:

not available

Boiling temperature:

not available

Flash point:

57°C

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

0.88 - 0.93 g/cm³ (20°C)

Solubility in water:

not miscible

Coefficient of variation (n-Octanol/Water):

not determined

Auto-ignition temperature:

> 200°C

Decomposition temperature:

No data available.

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Viscosity, dynamic:

not available

Explosive properties:

not available

Oxidizing properties:

no information available

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat and sources of ignition.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

Formation of highly flammable fumes/vapors.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 5000 mg/kg (rat)

LD50, dermal:

No information available.

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LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Slightly sensitizing.

Mutagenicity:

No data available.

Reproductive toxicity:

No data available.

Carcinogenicity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

*LC50: 15.7 mg/l (48h, *Leuciscus idus*)*

Daphnia toxicity:

*EC50: > 40,4 mg/l (24h, *Daphnia magna*)*

Bacteria toxicity:

*EC20: 0.62 mg/l (0.5h; *Pseudomonas fluorescens*)*

Algae toxicity:

No information available.

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

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12. 5. Results of PBT- und vPvP Assessment

No data available.

12. 6. Other Adverse Effects

Water hazard class:

Harmful for fish and bacteria.

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

1993

14. 2. UN Proper Shipping Name

ADR/RID:

ENTZÜNDBARER FLÜSSIGER STOFF, N.A.G. (Terpenin, Öl)

IMDG/IATA:

FLAMMABLE LIQUID, N.O.S. (Turpentine, oil)

14. 3. Transport Hazard Classes

ADR Class:

3

Hazard no.:

3

Classification code:

F1

Tunnel no.:

D/E

IMDG Class (sea):

3

Hazard no.:

3

EmS No.:

F-E, S-E

IATA Class:

3

Hazard no.:

3

14. 4. Packaging Group

ADR/RID:

III

IMDG:

III

IATA:

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14.5. Environmental Hazards

Labelling according 5.2.1.8 ADR/RID: fish and tree
Labelling according 5.2.1.6.3 IMDG: fish and tree
Classification as environmentally hazardous according 2.9.3
IMDG: no

14.6. Special Precautions for User

not applicable

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

No information available.

15.3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.