

Section 1. Product and Company Identification

Product Name Spike Lavender Oil

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER

CHEMTEL

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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Skin sensitization, Category 1 (Skin Sens. 1, H317).

Specific target organ toxicity (single exposure), Category 2 (STOT SE 2, H371).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Flammable (R10).

Irreversible non-lethal effects after a single oral exposure: harmful (Xn, R68/22).

Skin irritation (Xi, R38).

Skin sensitization (Xi, R43).

Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.



H319 Causes serious eye irritation.
H371 May cause damage to organs (if swallowed).
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P391 Collect spillage.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container with local regulations

Other hazards

The mixture does not contain any substances classified as 'Substances of Very High Concern' (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH:

<http://echa.europa.eu/fr/candidate-list-table> The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annex XIII of the REACH regulations EC 1907/2006.

Section 3. Composition / Information on Ingredients

Common Name Spike Lavender Oil

COMPONENT	CAS NUMBER	CONCENTRATION
Linalool	78-70-6	25 – 50%
Camphor L (XN68) = 10% X	76-22-2	10 – 25%
Pinenes (alpha or beta)		2.5 – 10%
(R)-P-Mentha-1,8-diene	5989-27-5	0 – 2.5%
Camphene	79-92-5	0 – 2.5%
B-Pinene	127-91-3	0 – 2.5%
Beta-Caryophyllene	87-44-5	0 – 2.5%
Coumarin	91-64-5	0 – 2.5%



Section 4. First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

Description of first-aid measures

Eye Contact: Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

Ingestion: Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

Most important symptoms and effects, both acute and delayed: No data available.

Indication of any immediate medical attention and special treatment needed: No data available

Section 5. Firefighting Measures

Flammable. Chemical powders, carbon dioxide, and other extinguishing gas are suitable for small fires.

Extinguishing media: Keep packages near the fire cool, to prevent pressurized containers from bursting.

Suitable methods of extinction

In the event of a fire, use: Sprayed water or water mist; Water with AFFF (Aqueous Film Forming Foam) additive; Halon; Foam; Multipurpose ABC powder; BC powder; Carbon dioxide (CO₂); Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use: Water jet

Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.

In the event of a fire, the following may be formed: Carbon monoxide (CO); Carbon dioxide (CO₂)

Advice for firefighters: Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.



Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Consult the safety measures listed under headings 7 and 8.

For non-firefighters: Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area. Avoid any contact with the skin and eyes.

For firefighters: Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

Environmental precautions: Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Prevent any material from entering drains or waterways. If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures Use drums to dispose of collected waste in compliance with current regulations (see section 13).

Methods and material for containment and cleaning up: Clean preferably with a detergent, do not use solvents.

Reference to other sections: No data available.

Section 7. Handling and Storage

Requirements relating to storage premises apply to all facilities where the mixture is handled. Individuals with a history of skin sensitization should not, under any circumstance, handle this mixture.

Precautions for safe handling: Always wash hands after handling. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas. Remove contaminated clothing and protective equipment before entering eating areas.

Fire prevention: Handle in well-ventilated areas. Vapors are heavier than air. They can spread along the ground and form mixtures that are explosive with air. Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits. Prevent the accumulation of electrostatic charges with connections to earth. The mixture can become electrostatically charged: always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive. Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks. Do not smoke. Prevent access by unauthorized personnel.

Recommended equipment and procedures: For personal protection, see section 8. Observe precautions stated on label and also industrial safety regulations. Avoid skin and eye contact with this mixture. Avoid exposure - obtain special instructions before use. Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures: No smoking, eating or drinking in areas where the mixture is used. Never open the packages under pressure.

Conditions for safe storage, including any incompatibilities: No data available.



Storage: Keep the container tightly closed in a dry, well-ventilated place. Keep away from all sources of ignition - do not smoke. Keep well away from all sources of ignition, heat and direct sunlight. Avoid accumulation of electrostatic charges. The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging: Always keep in packaging made of an identical material to the original.

Section 8. Exposure Controls / Personal Protection

Occupational exposure limits

ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010):

CAS	TWA	STEL	Ceiling	Definition	Criteria
76-22-2	2 ppm	3 ppm	-	-	-
127-91-3	20 ppm	-	-	-	-

France (INRS - ED984:2008)

CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/m3	Notes	TMP No
76-22-2	2	12	-	-	-	-

UK/WEL (Workplace exposure limits, EH40/2005, 2007)

CAS	TWA	STEL	Ceiling	Definition	Criteria
76-22-2	2 ppm	3 ppm	-	-	-

Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye/face protection: Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes. Before handling, wear safety goggles with protective sides accordance with standard EN166. In the event of high danger, protect the face with a face shield. Prescription glasses are not considered as protection. Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapors. Provide eyewash stations in facilities where the product is handled constantly.

Hand protection: Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation. Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.



Type of gloves recommended:

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

Recommended properties: Impervious gloves in accordance with standard EN374

Body protection: Avoid skin contact. Wear suitable protective clothing. Suitable type of protective clothing: In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact. In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly. After contact with the product, all parts of the body that have been soiled must be washed.

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Physical state: fluid liquid.

Color: Colorless to pale yellow

Odor: Characteristic, camphorated

pH: Not relevant.

Boiling point/boiling range: Not specified.

Flash Point: 51.00°C.

Vapor Pressure (50°C): Between 175 kPa and 300 kPa inclusive.

Density: 0.894 - 0.917

Water solubility: Insoluble.

Viscosity: < 7 mm²/s (40°C)

Melting point/melting range: Not specified.

Self-ignition temperature: Not specified.

Decomposition point/decomposition range: Not specified.

Other information: No data available.

Section 10. Stability and Reactivity

Reactivity: No data available.

Chemical stability: This mixture is stable under the recommended handling and storage conditions in section 7.

Possibility of hazardous reactions: When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Conditions to avoid: Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid: Accumulation of electrostatic charges; Heating; Flames and hot surfaces



Hazardous decomposition products

The thermal decomposition may release/form: Carbon monoxide (CO); Carbon dioxide (CO₂)

Section 11. Toxicological Information

Information on toxicological effects

Exposure to vapors from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness. May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours. Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin. May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. Splashes in the eyes may cause irritation and reversible damage. May cause an allergic reaction by skin contact. May cause damage to organs.

Substances

Acute toxicity

Coumarin (CAS: 91-64-5)

Oral route: DL50 = 500 mg/kg

Camphor L (XN68) = 10% X (CAS: 76-22-2)

Oral route: DL50 = 4900 mg/kg

Inhalation route: LC50 = 1.5 mg/l

Linalool (CAS: 78-70-6)

Oral route: DL50 = 2780 mg/kg

Mixture: No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 91-64-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 5989-27-5 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

Section 12. Ecological Information

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

Toxicity

Mixtures: No aquatic toxicity data available for the mixture.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No data available.

German regulations concerning the classification of hazards for water (WGK): WGK 3 (VwVwS vom 27/07/2005, KBws) : Extremely hazardous for water.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

UN number: 1266

UN proper shipping name: Perfumery Products

Transport hazard class(es): Class 3

Packing Group: PG III

Environmental Hazards: Environmentally hazardous material

Special Precautions for User

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	30	5 L	163 640E	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	3	-	III	5 L	F-E,S-D	163 223 904 955	E1

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3 A72	E1
	3	-	III	Y344	10 L	-	-	A3 A72	E1

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: No data available.



US DOT: Product can be classed as a combustible liquid for non-bulk ground transport.

Section 15. Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture

Classification and labelling information included in section 2

The following regulations have been used:

- Directive 67/548/EEC and its adaptations
- Directive 1999/45/EC and its adaptations
- Regulation EC 1272/2008 modified by regulation EC 618/2012

Container information: No data available.

Particular provisions: No data available.

German regulations concerning the classification of hazards for water (WGK):

Germany : WGK 3 (VwVwS vom 27/07/2005, KBws)

Chemical safety assessment: No data available.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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