



## SAFETY DATA SHEET

2019-9-24

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
OMB No.1218-0072

### § 1 - IDENTITY INFORMATION

Product Name (as used on label and list) : Spike Lavender Oil (O527)

Manufacturer : HOLBEIN Works, Ltd.  
Address : 2-2-5, Ueshio, Chuo-ku, Osaka-shi  
OSAKA 542-0064 JAPAN

Telephone Number for information : 81-6-6191-7722  
Emergency Telephone Number : 81-72-985-1221  
Preparer : ALAKI, Yutaka

### § 2 - HAZARD IDENTIFICATION

Classification : Flammable Liquid, Category 3  
Hazard information : Irritant to eyes and skin.  
Inhalation of concentrated vapor irritates eyes and/or bronchial pathway, or may influence to central nerve.



Acute toxicity : Category 4  
Skin Irritation : Category 2~3 (Spike Lavender Oil)  
Eye Effects : Category 2A (Spike Lavender Oil)  
Respiratory Sensitization : Category 1/Inhalation may cause allergy, asthma or dyspnea.  
Skin Sensitization : Category 1/Inhalation may cause allergic dermatitis.

### § 3 - COMPOSITION / INGREDIENTS

Common Name(s)	Components (Specific Chemical Identity)	CAS No
Spike Lavender Oil	Eucalyptol (C <sub>10</sub> H <sub>18</sub> O)	470-82-6
	Linalool	78-70-6
	Borneol	507-70-0

### § 4 - FIRST AID MEASURES

Inhalation : Remove patiently to fresh air.  
Ingestion : Do NOT induce vomiting, except in case of excess swallowing.  
Eyes : In case of eye contact, rinse with plenty of water and if necessary consult an eye specialist.  
Skin Contact : Upon skin contact, wash with plenty of water, soap or other non-irritating cleansing agents.  
Notes to Physician : Provide general supportive measures and follow the kerosene accident.

### § 5 - FIRE AND EXPLOSION HAZARD DATA

Flammability : Flammable  
Flash Point (TCC) : 49 °C  
Ignition Point : > 200 °C

Extinguishing Method : Take off fire or other flammable materials, and use with extinguishing tools.

Extinguishing Media : Foam, Dry powder, CO<sub>2</sub>

Unusual Fire and Explosion Hazards : None

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#### § 6 - ACCIDENTAL RELEASE MEASURES

Step to Be Taken in Case Material Is Released or Spilled : Remove sources of ignition and provide ventilation. Then take up with absorbent materials.

Prevention of Secondary Disaster : Take off fire or other flammable materials.

Personal Consideration : Use mechanical ventilation, and use protective equipment such as rubber gloves and safety glasses, when large spills happened.

Environmental Precautions : Prevent spills from entering storm sewers or drains.

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#### § 7 - HANDLING AND STORAGE

Precautions: Avoid prolonged or repeated contact with skin and eyes.

Storage Requirements : Keep from fire or flammable materials.

Do not allow product temperature to rise high.

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#### § 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use mechanical ventilation when applying.

Personal Protection : Mask, if necessary

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#### § 9 - PHYSICAL / CHEMICAL CHARACTER

Appearance : Clear liquid

Color : Yellowish

Odor : Own

Boiling Point : 170~215 °C

Specific Gravity (H<sub>2</sub>O = 1) 0.91

Solubility in Water Not soluble

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#### § 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Flammable

Stability : Stable under normal state

Incompatibility (materials to avoid) : None

Byproducts : Carbon dioxide and water

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#### § 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing

Oral Toxicity (LD<sub>50</sub>) : 3,800 mg/Kg

Ingestion : Although the effect or toxicity of swallowing is not serious, the liquid or vapor based on swallowing or vomiting may cause of bronchitis or pulmonary edema.

Inhalation : High density vapor irritates respiratory organ, and induces dizziness, headache, anesthesia, slumber or the effect to central nervous system.

Eye irritation : Usually irritant to the eye mucous membrane

Skin irritation : Long time or repeated contact may irritate to skin and may cause inflammation.

Repeated Exposure : Inhalation of mist may cause irritation of bronchial pathway and/or stupor.

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Sensitization, Reproductive Toxicity, Mutagenicity, Carcinogenicity : No data available

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§ 12 - ECOLOGICAL INFORMATION

No suitable information

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§ 13 - DISPOSAL CONSIDERATIONS

Disposal Considerations : To be incinerated.

Waste Disposal Method : Stained cloths or papers which has been used to wipe or so on are so flammable that they had better been wetted with water. In accordance with local official regulations, pass on to an appropriate incinerating plant or depository.

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§ 14 - TRANSPORT INFORMATION

Hazard Class : 3 (Flammable)

UN number : 1993

Packing Group : III

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§ 15 - REGULATORY INFORMATION

Conforms to ACMI, Art & Creative Materials Institute, under ASTM D 4236

Industrial Safety and Health Law : Flammable organic solvent

Fire Service Law (Japan) : Dangerous Materials ; Group 4

Petroleum Category 2

Regulation to Control Dangerous Materials : Conforms to article 41 and below.

High Pressure Gas Safety Law : N/A

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§ 16 - OTHER INFORMATION

Notice: The information of this sheet is based on the present state of our knowledge and does not therefore guarantee certain properties.

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Appendix

Table Information of Spike Lavender Oil

Hazardous Ingredient : Terpene  
Classification : CL

AP Approved Product : Contain no materials in sufficient quantities to be toxic or injurious to humans.

CL Cautionary Label : Any known health risks and with information on the safe and proper use of these materials

\* Correspondence