



SAFETY DATA SHEET

2016-11-17

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) :

O500, 400, O300, O200, O100 Spirit of Petroleum (Essence de Petrole)
O540, O440, O340 Odorless Petroleum
O501, O401, O301, O201, O101 Spirits of Turpentine
O527 Spike Lavender Oil

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 3
: Category 2~3 (Spike Lavender Oil)
Eye Effects : Category 2B
: 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
Spirit of Petroleum	Naphtha	Hydrated Heavy Petroleum (Mainly aliphatic hydrocarbon of C9~C13)	64742-48-9
Odorless Petroleum	Isoparaffin	Indefinite	—
Spirits of Turpentine	Spirits of Turpentine	α -pinene (C ₁₀ H ₁₆)	8006-64-2
Spike Lavender Oil	Spike Lavender Oil	Eucalyptol (C ₁₀ H ₁₈ 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

	Spirit of Petroleum	Odorless Petroleum	Spirits of Turpentine	Spike Lavender Oil
Flash Point (TCC, °C) :	>40	48	31	49
Ignition Point (°C) :	>165		278	>200
Flammable Limits (%) :		0.6~6.2		
Extinguishing Method :	Take off fire or other flammable materials, and use with extinguishing tools.			
Extinguishing Media :	Foam, Dry powder, CO ₂			
Unusual Fire and Explosion Hazards :	None			

§ 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.

§ 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.

§ 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls : Use mechanical ventilation when applying.
 Personal Protection : Especially none
 Threshold Limit Value : 100ppm (525mg/m³, Sprits of Petroleum)

§ 9 - PHYSICAL / CHEMICAL CHARACTER

	Spirit of Petroleum	Odorless Petroleum	Spirits of Turpentine	Spike Lavender Oil
Appearance	Clear liquid	ditto	ditto	ditto
Color	Water white	ditto	ditto	Yellowish
Odor	Petroleum		Turpentine	Own
Boiling Point (°C)	150~200	166~190	155	170~215
Vapor Pressure (Pa)		-	800(30°C)	-
Vapor Density (Air = 1)		-	4.7	-
Specific Gravity (H ₂ O = 1)	0.85	0.76	0.864	0.91
Solubility in Water	Not soluble			

§ 10 - HAZARD INFORMATION AND STABILITY

Physical Dangers : Flammable
 Stability : Stable under normal state
 Incompatibility (materials to avoid) : None
 Byproducts : Carbon dioxide and water

§ 11 - TOXICOLOGICAL INFORMATION

Primary Routes of Entry : Dermal, eye contact, swallowing

	Spirit of Petroleum	Odorless Petroleum	Spirits of Turpentine	Spike Lavender Oil
Oral Toxicity (LD50, mg/Kg):	>15,000	20,000	3,700	-

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.

Spirit of petroleum : Chronical excess inhalation in long time of mist induces inflammation of lung, and may cause fibrosis on pulmonary artery.

Odorless petroleum : Weak smell may not call the attention.

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.

Sensitization, Reproductive Toxicity : No data available on products.

Mutagenicity : Mutagenicity was not confirmed with testing on rat by typhoid bacilli, testing on mouse by lymphocyte or testing on rat by marrow cell. (Naphtha)

Carcinogenicity : IARC (The International Agency for Research on Cancer) classifies naphtha in Group 3, not classifiable agent as to its carcinogenicity to humans. (Naphtha)

§ 12 - ECOLOGICAL INFORMATION

No suitable information

§ 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.

§ 14 - TRANSPORT INFORMATION

	Spirit of Petroleum	Odorless Petroleum	Spirits of Turpentine	Spike Lavender Oil
UN number :	3295	1268	1299	1993

Hazard Class : 3 (Flammable)

Packing Group : III

§ 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

§ 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.

Appendix

Table Information of OIL MEDIA

Name	Hazardous Ingredient	Classification
Spirit of Petroleum	Naphtha	CL
Odorless Petroleum	ditto	CL
Spirits of Turpentine	Terpene	CL
Spike Lavender Oil	ditto	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	