Cholbein

Solvents 1/3

# Safety Data Sheet

U.S.Department of Labor may be used to comply with Occupational Safety and Health Administration OSHA's Hazard Communication Standard, (Non-Mandatory Form) 29 CFR 1910.200. Standard must be Form Approved consulted for specific requirements.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 81-72-985-1223

Date Prepared 2014-12-9 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 influences to

central nerve.

Acute toxicity: Category 4

Skin Irritation: Category 3

Category  $2\sim3$  (Spike Lavender Oil)

Eye Effects: Category 2B

Category 2A (Spike Lavender Oil)Category 1/Inhalation may cause allergy, asthma or dyspnea.

Respiratory Sensitization: Category 1/Inhalation may cause allergy, asthma or Category 1/Inhalation may cause allergic dermatitis.

#### § 3. COMPOSITION / INGREDIENTS

Common Name(s) Components (Specific Chemical Identity) CAS No
Spirit of Petroleum Mineral Spirit Fractionally distillated petroleum (Mainly aliphatic hydrocarbon of C8~C11)

Odorless Petroleum Isoparaffin Indefinite
Spirits of Turpentine Spirits of Turpentine  $\alpha$  –pinene (C10H16)

Spirits of Turpentine Spirits of Turpentine  $\alpha$  –pinene (C10H16) 8006-64-2 Spike Lavender Oil Spike Lavender Oil Eucalyptol (C10H18O) 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 specialst.

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

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Spirit Odorless Spirits Spike of Petroleum of Turpentine Lavender Oil Petroleum Flash Point (TCC, °C): 42 48 31 Ignition Point (°C): 278 > 200210  $0.6 \sim 7.0$ Flammable Limits (%)  $0.6 \sim 6.2$ 

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

tools.

Extinguising Media: Foam, Dry powder, CO2

Unusal 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 equipments 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

Handling Procedures/Equipment: Avoid prolonged or repeated contact with skin and eyes. Use

soap and water for clean-up.

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 100ppm (525mg/m3, Spririts of Petroleum)

#### § 9. PHYSICAL / CHEMICAL CHARACTERISTICS

	Spirit of Petroleum	Odorless Petroleum	Spirits of Turpentine	Spike Lavender Oil
Appearance Odor Boilling Point (°C)	Wate 150~200	er white clear li Petroleum 166~190	quid Yel Trpentine 155	llowish clear liquid Own 170~215
Vapor Pressure (Pa) Vapor Density (Air = 1) Specific Gravity (H2O = 1) Solubility in Water	1500>(38℃) 5.1 0.79 (15℃) Not soluble	0.76	800 (30°C) 4.7 0.864	0.91

# 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 : Inhalation, swallowing, eye contact, dermal

Spirit Odorless Spirits Spike of Petroleum Petroleum of Turpentine Lavender Oil

Oral Toxicity (LD50, mg/Kg): 5000 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.

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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.

Carcinogenicity (Spirit of petroleum, Odorless petroleum): IARC (The International

Agency for Research on Cancer) classifies mineral spirit in Group 3, not

classifiable agent as to its carcinogenicity to humans.

Mutagenicity (Spirit of petroleum, Odorless petroleum): Mutagenicity was not confirmed with

testing on rat by typhoid bacilli, testing on mouse by lymphocyte or testing

on rat by marrow cell.

Teratogenicity: Teratogenicity was not confirmed with testing on pregnant rat by vapor

exposure between six to fifteen days in the 100ppm and 365 ppm.

#### § 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

Hazard Class: 3 (Flammable)

Spirit Odorless Spirits Spike

of Petroleum Petroleum of Turpentine Lavender Oil

UN number: 1268 1268 1299 1993

## § 15. REGULATORY INFORMATION

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

Industrial Safety and Health Law: Flammable

Fire Service Law: Dangerous Materials

Group 4, 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.