

合同会社フェニックス

FVNIX LLC.

MATERIAL SAFETY DATA SHEET

1 – PRODUCT IDENTIFICATION

Product Name: Eucalyptus Oil

CAS: 8000-48-4

Supplier: 合同会社フェニックス FVNIX LLC.

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2– HAZARDS IDENTIFICATION

2.1 GHS Classification

Flammable liquids(Category 3), H226


Aspiration hazard(Category 1), H304

Skin irritation(Category 2), H315

Skin sensitization(Category 1), H317

Hazardous to the aquatic environment, long-term hazard(Category 2),H411

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal word	Danger
Hazard statement	H226 Flammable liquid and vapour H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction H411 Toxic to aquatic life with long lasting effects.
Prevention	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P280 Wear protective gloves/protective clothing/eye protection/face protection. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment.

合同会社フェニックス

FVNIX LLC.

Response	<p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water [or shower].</p> <p>P370+P378 In case of fire: Use alcohol-resistant foam/ dry powder/ dry sand/ carbon dioxide (CO2) to extinguish.</p> <p>P301+P316 IF SWALLOWED: Get emergency medical help immediately .</p> <p>P331 Do NOT induce vomiting.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see on this label).</p> <p>P332+P317 If skin irritation occurs: Get medical help.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P333+P317 If skin irritation or rash occurs: Get medical help.</p> <p>P391 Collect spillage.</p>
Storage	<p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p>
Disposal	<p>P501 Dispose of contents/container to an approved waste disposal plant.</p>

2.3 Hazards not otherwise classified(HNOC) or not covered by GHS

No data available

3 – COMPOSITION

Component	Concentration (%)	CAS NO.	EC NO.
Cineole	≥80%	470-67-7	207-428-9

4– FIRST AID MEASURES

Description of First Aid Measures

Inhalation: Move the victim to fresh air and keep airway unobstructed. Keep the victim warm and quiet. Call the medical emergency services. If breathing is difficult, give oxygen. If not breathe, give artificial respiration.

Skin Contact: Remove and insulate contaminated clothing, shoes and socks. Flush the skin with running water at least 20 minutes. If feel unwell, get medical help.

Eye Contact: Flush the eyes with running water at least 20 minutes immediately. If feel unwell, get medical help.

Ingestion: Rinse mouth. Do not induce vomiting without medical advice. Keep the victim warm and quiet. Call the medical emergency services. If breathing is difficult, give oxygen. If not breathe, give artificial respiration.

Protecting of First-aiders: Ensure that first-aiders are aware of the hazard characteristics of the product. Take precautions to protect themselves and prevent spread of contamination.

Most Important Symptoms/Effects, Acute and Delayed.

No information available.

Indication of Immediate Medical Attention and Special Treatment Needed

Reaction from exposure to the substance (including inhalation, ingestion and skin contact) may be

合同会社フェニックス

FVNIX LLC.

delayed.

Indication of Immediate Medical Attention and Special Treatment Needed

Reaction from exposure to the substance (including inhalation, ingestion and skin contact) may be delayed.

5- FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing media: It is recommended to use alcohol-resistant foam/ dry powder/ dry sand/ carbon dioxide (CO₂) to extinguish the fire. Please select the suitable extinguishing medium according to the specific situation.

Unsuitable extinguishing media: Avoid using water as it may scatter or spread fire.

Specific Hazards Arising From the Chemical

It may release irritating and toxic smokes under high temperature or burning conditions. The sealed container may explode if heated. Easily ignited by friction, heat, sparks or open flames. Vapor can form explosive mixture with air. Vapor diffusion can cause re-ignition when encountering a fire source.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus (SCBA) and full protective gear. Remove containers containing substance from the scene of the accident when there is no danger. In the event of a major fire, use a remote control fire extinguisher to extinguish the fire. If it fails, evacuate the fire area and let it burn. Evacuate quickly if the safety valve of the container makes a noise or the container changes color. Keep away from tanks that are engulfed by fire.

6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

On the premise of ensuring safety, cut off the source of leakage as much as possible. Evacuate personnel to safe areas quickly. Keep people away from and upwind of spill/leak. Stay away from low-lying areas. Use personal protective equipment and avoid breathing vapor, smoke, gas or dust. Ensure adequate ventilation. Remove all sources of ignition. Beware of the accumulation of vapor or dust to form explosive concentrations. It is recommended that emergency personnel wear self-contained breathing apparatus (SCBA) and anti-static clothing.

Environmental Precautions

Collect the leakage. Do not let the product release into the drain. Avoid discharging to the environment.

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Methods and Materials for Containment and Cleaning Up

If small amount of leakage, absorb spilled material in dry sand or inert absorbent. If large amount of leakage, it is necessary to construct a dam in front of the leakage for subsequent treatment. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7 – HANDLING AND STORAGE

Precautions for Safe Handling

Operators should be specially trained and strictly abide by the operating procedures. Operation and disposal should be carried out in a place with local ventilation or comprehensive ventilation facilities. Avoid contacting with eyes and skin. Avoid breathing vapor, mist or dust. See section 8 (Exposure Control/Personal Protection) for personal protection measures. Keep away from fire and heat sources. Smoking is strictly prohibited in the workplace. Avoid contacting with incompatible materials if not for its intended purpose. See section 10 (Stability and Reactivity) for incompatible substances. Hazardous materials may remain in used containers. Load and unload lightly during transportation to prevent the package from breaking. Wash hands and face thoroughly after the operation, and prohibit eating or drinking in the workplace. The flow rate should be controlled during filling, and there should be a grounding device to prevent static electricity from accumulating. It is forbidden to use equipment and tools that are prone to sparks.

Conditions for Safe Storage

Refer to relevant national and local regulations before storage. Store in a dry, cool and ventilated place. It should be stored separately from incompatible materials, food and food containers. See section 10 (Stability and Reactivity) for incompatible substances. Keep the container tightly closed. Keep away from fire, heat sources. Prevent exposure to the sun. The storage area should be equipped with emergency treatment equipment and suitable storage materials. Materials with different fire extinguishing methods should be stored separately. The warehouse must be equipped with lightning protection facilities. All metal parts on the device must be grounded to prevent the vapor or dust from catching fire due to static discharge. Use explosion-proof lighting and ventilation facilities. In the warehouse where combustible gas or combustible steam may be emitted (or leaked), a combustible gas detection and alarm device should be installed.

8 -PERSONAL PROTECTION

Control Parameters

According to GBZ 2.1-2019 “Occupational exposure limits for hazardous agents in the workplace - Part 1: Chemical hazardous agents”

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Limits in The Air of The Workplace: No information available.

Biological Limit Values: No information available.

Appropriate Engineering Controls

Maintain adequate ventilation, especially in enclosed areas. Provide eyewash and shower facilities near the workplace. Set up emergency evacuation channels. Equipped with corresponding types and quantities of fire-fighting equipment and leakage emergency treatment equipment. Equipped with explosion-proof ventilation and lighting equipment.

Individual Protection Measures

Eye/Face Protection: Wear chemical safety protective glasses or face shield.

Body Protection: Wear flame-retardant, anti-static and anti-seeping protective clothing. Wear anti-static protective boots.

Hand Protection: Wear chemical protection gloves.

Respiratory protection: When the concentration in the air exceeds the occupational exposure limit or irritation and other symptoms occur, please use a full-face multifunctional gas mask.

Other Protection: Smoking is prohibited in the workplace. Wash thoroughly after work and do not bring work clothes to non-workplaces. The type of protective equipment must be selected according to the concentration and property of hazardous substances in a specific workplace.

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless transparent liquid.

ODOR DESCRIPTION: Characteristic aroma of 1,8-cineole.

FLASH POINT(CLOSED CUP, °C): 53

SPECIFIC GRAVITY @ 20°C: 0.9090~0.9190

REFRACTIVE INDEX @ 20°C:1.4580 - 1.4650

10 - STABILITY AND REACTIVITY

Reactivity Contacting with incompatible substances can cause decomposition or other chemical reactions.

Chemical Stability Stable under correct conditions of storage and use.

Possibility of Hazardous Reactions No information available.

Conditions to Avoid High temperature, open flame, sparks, static electricity and direct sunlight.

Incompatible Materials Strong oxidants.

Hazardous Decomposition products Under correct conditions of storage and use, hazardous

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decomposition products should not be produced.

11 – TOXICOLOGICAL INFORMATION

Gamma-Terpinene: LD50 (Rat Oral) - >2000mg/kg

LD50 (Rat Dermal) - >2000mg/kg P-cymene: LD50 (Rat Oral) - 4750mg/kg

LD50 (Rabbit Dermal) - >5000mg/kg

LC50 (Rat Inhalation) - 3mg/L-4h

Alpha pinene: LD50 (Rat Oral) - >300-<2000mg/kg

LD50 (Rat Dermal) - >2000mg/kg Limonene: LD50 (Rat Oral) - >2000mg/kg

LD50 (Rabbit Dermal) - >5000mg/kg

Cineole: LD50 (Rat Oral) - 3100mg/kg

LD50 (Rabbit Dermal) - >5000mg/kg

Skin Corrosion/Irritation Causes skin irritation (category 2)

Serious Eye Damage/Irritation No information available.

Skin Sensitization May cause an allergic skin reaction (category 1)

Respiratory Sensitization No information available. Germ Cell Mutagenicity No information available.

Carcinogenicity No information available.

Reproductive Toxicity Suspected of damaging fertility or the unborn child (category 2)

STOT-Single Exposure No information available.

STOT-Repeated Exposure No information available.

Aspiration Hazard May be fatal if swallowed and enters airways (category 1)

12 - ECOLOGICAL INFORMATION

Ecotoxicity

Gamma-Terpinene: LC50 (Fish) - 2.792mg/L-96h

EC50 (Crustacea)- 10.189mg/L-48h

ErC50 (Algae or Other Aquatic Plants)- >10.82mg/L-72h P-cymene: LC50 (Fish) - 48mg/L-96h

EC50 (Crustacea)- 3.7mg/L-48h

ErC50 (Algae or Other Aquatic Plants)- 4.03mg/L-72h Alpha pinene: LC50 (Fish) – 0.27mg/L-96h

EC50 (Crustacea)- 0.475mg/L-48h

ErC50 (Algae or Other Aquatic Plants)- 0.31mg/L-72h Limonene: LC50 (Fish) – 0.72mg/L-96h

EC50 (Crustacea)- 0.307mg/L-48h

ErC50 (Algae or Other Aquatic Plants)- 0.32mg/L-72h NOEC (Crustacea)- 0.05mg/L-21d

Persistence and Degradability No information available. Bioaccumulative Potential No information available. Mobility in Soil No information available.

Other Adverse Effects No information available.

13 - DISPOSAL CONSIDERATIONS

Waste Chemicals Before disposal should refer to the relevant national and local laws and regulations. Recommend disposing by qualified hazardous waste treatment company.

Contaminated Packaging Containers may still present chemical hazard when empty. Return to supplier for recycling if possible or disposal in accordance with national and local regulations.

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Other Disposal Information For the safety of persons conducting disposal, recycling or reclamation activities, see section 8 (Exposure controls and Personal protection) of the SDS.

14 – TRANSPORTATION INFORMATION

UN-No: UN1993

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. (EUCALYPTUS OIL)

Hazard Class: Not applicable

Subsidiary Class: No information available

Packing group: III

Dangerous to the Aquatic Environment: Yes

15 – REGULATORY INFORMATION

China Regulations on the Control over Safety of Dangerous Chemicals

1.The regulations applicable to the safety management for the production, storage, use, business and transportation of hazardous chemicals.

2.Whether the product is listed in "China Catalog of Hazardous Chemicals" (2015 Edition): Yes

3.Whether the product complies with the "Principles for Definition and Determination of Hazardous Chemicals" in "China Catalogue of Hazardous Chemicals" (2015 Edition): Yes

China Provisions on Environmental Administration of New Chemical Substances

1.The provisions applicable to the environmental management of new chemical substances which is used in research, production, import and processing.

2.Whether the product is listed in "China Inventory of Existing Chemical Substances" (2013 Edition): All chemical components are included

16 - OTHER INFORMATION

Updated date: 2026-01-01

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