SAFETY DATA SHEET

(According to Regulation (EU) No. 1907/2006 and OSHA (US) 29 CFR 1910.1200 and 49 CFR)

Product: Pine Needle Essential Oil

Version: 5 Revision date: 8/25/2023

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 **Product identifier:** Pine Needle Essential Oil

HBNO identifier: 1067

Chemical name: Pine, Pinus sylvestris, oil

CAS: 8023-99-2

EC Number: 281-679-2

EC REACH Registration number: -

Index No / Inventory Num.: -

1.2 **Usage:** This product is only intended for use as an ingredient in the manufacturing of mixtures.

Strongly discouraged: Not intended for the general public. Do not ingest as such.

1.3 **Details of the supplier of the safety data sheet:**

IL Health & Beauty Natural Oils Co., Inc.
2644 Hegan Ln, Chico, CA 95928
Tel, USA: 1-530-399-3782
info@hbno.com

1.4 **24 Hour Emergency telephone number:**

USA National Poison Control Center (any day/time) 1 (412) 681-6669.

Section 2: Hazard Identification

2.1 **Classification of the substance or mixture**

Classification according to the Regulation (EC) No 1272/2008.

Flammable liquids, Hazard Category 3; H226

Skin corrosion/irritation, Hazard Category 2; H315

Sensitization — Skin, Hazard Category 1; H317

Aspiration hazard, Hazard Category 1; H304

Hazardous to the aquatic environment — acute hazard, category acute 1; H400

Hazardous to the aquatic environment — long-term hazard, category chronic 1; H410

2.2 **Label Elements**

EC Number: 281-679-2

Pine, Pinus sylvestris, oil



Signal word: Danger

Hazard Statements:

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/eye protection/face protection.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331: Do NOT induce vomiting.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P501: Dispose of contents/container to an approved waste disposal plant.

2.3 Other Hazards

N/A

Section 3: Composition/Information on Ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS	Chemical Name
100%	281-679-2	8023-99-2	Pine, Pinus sylvestris, oil

Concentration range of the constituent (% weight/weight)	EC Number / Registration Number	CAS	Chemical Name
<60,00	80-56-8	201-291-9	Pin-2(3)-ene
<22,00	127-91-3	204-872-5	Pin-2(10)-ene
<18,00	13466-78-9	236-719-3	3,7,7 Trimethylbicyclo[4.1.0]hep 3-ene
<12,00	5989-54-8	227-815-6	(S)-p-Mentha-1,8-diene
<10,00	123-35-3	204-622-5	7-methyl-3-methyleneocta-1,6-diene
<6,00	87-44-5	201-746-1	Caryophyllene
<4,00	5655-61-8	227-101-4	L-born-2-yl acetate
<2,00	79-92-5	201-234-8	Camphene
<2,00	99-87-6	202-796-7	P-cymene
<0,10	140-67-0	205-427-8	4-Allylanisole

Section 4: First Aid Measures

4.1 Description of First Aid Measures

Consumption:
If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.

Eye contact:
First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation:
Remove person to fresh air and keep at rest.

Skin contact:
Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Recommended: Foam or dry powder. For safety reasons do not use full water jet.

5.2 Special hazards arising from the substance or mixture:

Not applicable.

5.3 Advice for firefighters:

Closed containers may build up pressure at elevated temperatures. Avoid inhalation of fumes or vapors. Use appropriate respiratory protection. Prevent run-off from fire fighting to enter drains or water courses.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition. Wear appropriate gloves to prevent skin exposure.

Avoid contact with skin and inhalation of its vapors or smoke. Maintain adequate ventilation in the working area after spilling.

6.2 Environmental precautions:

Avoid contaminating the environment via the sewers or water sources.

6.3 Methods and material for containment and cleaning up:

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Ventilate the area and wash spill site after material pickup is complete. Dispose of it in accordance with current laws and regulations.

6.4 Reference to other sections:

See also sections 8 and 13.

Section 7: Handling and storage

7.1 Precautions for safe handling:

Keep away from food, drink and animal feeding stuffs. Do

not smoke. Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

7.3 Specific end use(s):

Not available.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Declaration of substances is not required.

Name of agent	Limit value - 8 hours	Limit value - Short term	Notation
3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene	113 mg/m³		-
Pin-2(10)-ene	113 mg/m³		-
Pin-2(3)-ene	113 mg/m³		-

8.2 Exposure controls

Personal protection equipment:

Use personal protection equipment according to Directive 89/686/EEC.

Engineering Controls-Ventilation:

The areas where the product is handled and stored should be adequately ventilated.

Respiratory Protection:

Use personal breathing apparatus whenever deemed necessary.

Skin Protection:

Avoid contact with skin. Compatible chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Eye/Face protection:

Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid

Color: Clear to Light Yellow

Odor: Camphoraceous, Coniferous, Fresh

Density: 0.877 g/cm³ (20 °C)

Flash point: 42 °C

Additional information: N/A

Section 10: Stability and reactivity

10.1 Reactivity: Not available.

10.2 Chemical stability: Stable under normal operating conditions.

10.3 Possibility of hazardous reactions: Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

10.4 Conditions to avoid: Heat, flames, and other sources of ignition.

No special precautions other than good housekeeping of chemicals.

10.5 Incompatible materials: Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

10.6 Hazardous decomposition products: Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Skin corrosion/irritation:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitization:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.

Section 12: Ecological information

12.1 Acute aquatic toxicity: Not determined.

12.2 Persistence and degradability: Not available.

12.3 Bioconcentration Factor: Not determined.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: Not determined.

12.6 Other adverse effects: Do not allow the material to enter streams, sewers, or other waterways.

Section 13: Disposal considerations

13.1 Waste treatment methods

Container disposal: Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralize. Empty residue into a suitable disposal site.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way.

Section 14: Transport information

14.1 International Carriage of Dangerous Goods by Road (ADR)

UN No.:UN1272

Proper Shipping Name: PINE OIL

Packing Group: III

Class: 3

Tunnel restriction code: (D/E)

Label: 

14.2 Sea Transport (IMDG)

UN No.:UN1272

Proper Shipping Name: Pine Oil

Packing Group: III

Class: 3

Marine Pollutant: Yes

Label: 

14.3 Air Transport (ICAO/IATA)

UN No.:UN1272

Proper Shipping Name: Pine Oil

Packing Group: III

Class: 3

Label: 

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Section 15: Regulatory information

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

Not available

15.2 Chemical safety assessment:

Not available.

Section 16: Other information

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Safety and Health Administration (US); 29 CFR 1910 and 49 CFR, March 28, 2012, modifying the Hazard Communication Standard (HCS) and aligning it with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as established by the United Nations (UN).

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