



1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Pine Needle Essential Oil
Botanical name	:	Pinus Sylvestris
Country of Origin	:	Romania
CAS#	:	8023-99-2 / 84012-35-1
Supplier	:	Sri Venkatesh Aromas
Address	:	T-2/202, Mangolpuri Industrial Area, Phase - 1 Delhi - 110083
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2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Classification

Flammable Liquid - Category 3

Acute Toxicity, Oral - Category 4

Acute toxicity, dermal - Category 4

Skin corrosion/irritation - Category 4

Skin Sensitization - Category 1

Serious eye damage/eye irritation - Category 2A

Acute toxicity, inhalation - Category 4

Hazardous to the aquatic environment, Chronic - Category 1

GHS Label elements, including precautionary statements

Signal: Warning

Hazard statement(s)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long-lasting effects.

Precautionary statement(s)

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P271	Use only outdoors or in a well ventilated area
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON center or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P370+P380	In case of fire: Use extinguishing media listed in Section 5 of the SDS to extinguish.
P391	Collect spillage.
P403+P235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
alpha-Pinene	80-56-8	201-291-9	70 - 85 %
beta-Pinene	127-91-3	204-872-5	2 - 7 %
Limonene	5989-27-5	227-813-5	3 - 7 %
camphene	79-92-5	201-234-8	1 - 5 %

4. FIRST AID MEASURES

Eye contact

Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact

Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion

Seek medical attention or contact local poison control center.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media

Carbon dioxide, sand, extinguishing powder.

Unsuitable extinguishing media

Water spray, water jet.

Special protective equipment and precautions for fire-fighters

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or its combustible products

Hazardous decomposition products may be formed at extreme heat or if burned.

Resulting gases

Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures.

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and materials for containment and cleaning up

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. HANDLING AND STORAGE

Precautions for safe handling

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Conditions for safe storage, including any incompatibilities

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes

Use tightly sealed goggles.

Skin

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

Respiratory

In case of insufficient ventilation, wear suitable respiratory equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Colorless to pale yellow liquid.

Odor	:	Characteristic pine odor.
Odor threshold	:	Not available.
Flash point	:	40°C
Relative density	:	0.857 to 0.885 @ 20 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.465 to 1.479 @ 20 °C
Optical rotation	:	-4.0° to +10° @ 20 °C

10. STABILITY AND REACTIVITY

Reactivity

This material presents no significant reactivity hazard.

Chemical stability

Chemically stable.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Avoid sparks, flame and other heat sources.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Carbon Oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 - 5000 mg/kg (rat)

Dermal LD50 - 5000 mg/kg (rbt)

Skin contact

Skin irritant

Eye contact

Eye irritant

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

Persistence and degradability

Not available.

Bio - accumulative potential

Not available.

Mobility in soil

Not available.

Other adverse effects

Not available.

13. DISPOSAL CONSIDERATION

Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

14. TRANSPORT INFORMATION

UN Number

1272

UN proper shipping name

Pine oil

Transport hazard class

3

Packing group

III

US DOT Shipping Description (Land)

1272

Proper shipping name

Pine oil

Class

3

Packaging group

III

IMO-IMDG Shipping Description (Sea)

1272

Proper shipping name

Pine oil

Class

3

Packaging group

III

IATA Shipping Description (Air)

1272

Proper shipping name

Pine oil

Class

3

Packaging group

III

15. REGULATORY INFORMATION

California Proposition 65

• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

GHS Hazard Statements

Please refer to section 2.

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable source. Sri Venkatesh Aroma provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulation applying to the use of the products, including intellectual property right of third parties. As the ordinary or otherwise use(s) of the product is outside the control of Sri Venkatesh Aroma no representation or warranty, expressed or implied, is made as to the effect(s) or such use(s), (including damage or injury), or the result obtained. The liability of Sri Venkatesh Aroma is limited to the value of the goods and does not include any consequential loss. Sri Venkatesh Aroma shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Sri Venkatesh Aroma shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that jurisdiction is limited to the province of Ontario, Canada.

CORPORATE OFFICE

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