

WORLD OF AROMAS

ESSENTIAL OILS | FRAGRANCES | DIY SUPPLIES

PINE OIL

Pinus sylvestris L.

CERTIFICATE OF ANALYSIS

LOT: 0247262-HM

Description: A colorless to slightly yellow liquid with a characteristic odor. Pine essential oil is obtained by steam distillation of the needles of *Pinus sylvestris L.*

Date of Production: August, 2023

Expiration Date: August, 2026

Parameter	Results
Specific Gravity (20°C)	0.8612
Refractive Index (20°C)	1.4708
Optical rotation (20°C)	-25.2°

Shelf life is expected to be three years from the date of production if the product is stored in the unopened original container between 15°C - 30°C, protected from light. Because this material is sensitive to oxidation, it is saturated with nitrogen and sealed with nitrogen atmosphere for protection. If containers are opened for sampling, be sure to refill atmosphere with nitrogen. Containers that have been opened should be tested at least yearly to ensure quality. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. The information provided above shall be considered effective only for the lot with which the information is being provided. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

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SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Pine Oil
CAS NO.: 8023-99-2
SUPPLIER NAME: World of Aromas Inc
SUPPLIER ADDRESS: 1035 N. Interstate 35E, STE 217
Carrollton, TX 75006
TELEPHONE NUMBER: 469-471-8934
RECOMMENDED USE: For manufacturing and repackaging use only

02. HAZARD IDENTIFICATION

Classification in accordance with Regulation (EC) No 1272/2008

Flammable liquids, Hazard Category 3; Aspiration hazard, Hazard Category 1; Skin corrosion/irritation, Hazard Category 2; Skin sensitization, Hazard Category 1; Hazardous to the aquatic environment – long-term hazard, category chronic 1.

Classification according to the Directive 67/548/EEC

HAZARD SYMBOLS: Harmful
N: Dangerous for the environment

RISK PHRASES: R10: Flammable
R43: May cause sensitization by skin contact
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65: Harmful: May cause lung damage if swallowed

GHS Label elements, including precautionary statements



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.

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PRECAUTIONARY STATEMENTS:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
 P302+P352: If on skin – Wash with plenty of soap and water
 P262: Do not get in eyes, on skin, or on clothing
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P301+P330+P331+P310: If swallowed – rinse mouth. Do not induce vomiting. Immediately call a poison center or doctor/physician
 P273: Avoid release to the environment
 P501: Dispose of contents/container in accordance with local, regional and national regulation
 No data available

OTHER HAZARDS:

03. COMPOSITION/INFORMATION ON INGREDIENTS

DANGEROUS COMPONENTS:

COMPONENT NAME:	CAS NUMBER:	%	SYMBOL(S)	R – AND S-PHRASES
alpha-Pinene	80-56-8	30 – 60 %	Xn, N	R10, R43, R50/53, R65
beta-Pinene	127-91-3	3 – 25 %	Xn, N	R10, R43, R50/53, R65
Limonene	7704-14-8	7 – 15 %	Xi, N	R10, R38, R43, R50/53
Camphene	79-92-5	0.4 – 7.5 %	Xi, N	R11, R36, R50/53

04. FIRST AID MEASURES

Do not leave affected person unattended. Move out of the dangerous area.

EYE CONTACT:

Flush eyes immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart, and consult an ophthalmologist.

SKIN CONTACT:

Wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately.

INHALATION:

Remove victim out of the danger area. Provide fresh air.

INGESTION:

Rinse mouth. Do not induce vomiting.

05. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Foam, Extinguishing powder, Carbon Dioxide (CO2). Avoid full water jet.

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SPECIAL HAZARDS:

In case of fire, toxic fumes like carbon monoxide and carbon dioxide may be released. Burning produces heavy smoke.

SPECIAL FIREFIGHTING PROCEDURES:

Move undamaged containers from immediate hazard area if it can be done safely. Use suitable breathing apparatus and personal protection equipment.

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Wear personal protection equipment and avoid contact with skin, eye and clothing. Remove all sources of ignition and provide adequate ventilation. Keep people away from the hazard area.

ENVIRONMENTAL PRECAUTIONS:

Do not allow spill to enter into surface water or drains. Cover drains and prevent spread over a wide area (i.e. by containment or oil barriers)

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Absorb spill with liquid-binding material (i.e. sand, diatomaceous earth, acid or universal binding agents) See protective measures under sections 7 and 8.

REFERENCE TO OTHER SECTIONS:

07. HANDLING & STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Provide earthing of containers, equipment, pumps and ventilation facilities. Take precautionary measures against static discharges. Wear personal protective clothing (see section 8). Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Do not eat, drink or smoke while using.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Keep container tightly closed in a cool, well-ventilated place.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures and the application of suitable work processes have priority over personal protection equipment.

RESPIRATORY PROTECTION:

If technical exhaust or ventilation measure are not possible or insufficient, respiratory protection must be worn.

HAND PROTECTION:

Use solvent and acid resistant gloves according to EN 374. The quality of the chemical resistant protective gloves be chosen as a function of the specific working place concentration and quantity of hazardous substances. Take recovery periods for skin regeneration.

EYE PROTECTION:

Use protective goggles according to EN166.

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09. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Natural variation
ODOR:	Characteristic
pH VALUE:	Neutral
EXPLOSIVE PROPERTIES:	The product is not explosive, however formation of explosive steam/air mixtures is possible
UPPER EXPLOSION LIMIT (VOL-%):	No data available
LOWER EXPLOSION LIMIT (VOL-%):	0.8 Vol %
IGNITION TEMPERATURE:	255°C
FLASH POINT:	36°C
RELATIVE DENSITY @ 20°C:	0.855-0.875
REFRACTION INDEX @ 20°C:	1.465-1.480
OPTICAL ROTATION:	-30° to + 10 °
SOLUBILITY IN ETHANOL 95% (V/V):	In 1:6 – clear to slightly opalescent
WATER SOLUBILITY (g/l):	Insoluble

10. STABILITY & REACTIVITY

REACTIVITY:	No dangerous reactions known
STABILITY:	Stable at room temperature
POSSIBILITY OF HAZARDOUS REACTIONS:	No dangerous reactions expected if used according to specifications
CONDITIONS TO AVOID:	Temperatures more than room temperature will benefit the transfer from liquid to vapor phase and formation of explosive atmospheres. Storing the product in open containers will benefit the formation of peroxides and derogate the quality
INCOMPATIBLE MATERIALS:	No data available
HAZARDOUS DECOMPOSITION PRODUCTS:	No dangerous decomposition products known

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	LD50 (oral) in mg/kg: > 5000 LD50 (dermal) in mg/kg: > 5000
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12. ECOLOGICAL INFORMATION

TOXICITY:	No data available
PERSISTENCE AND DEGRABABILITY:	No data available
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
RESULTS OF PBT AND vPvB ASSESSMENT:	No data available
OTHER ADVERSE EFFECTS:	No data available

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS:	Hazardous waste according to waste regulation. Dispose of according to legislation. Deliver to an approved waste disposal company. Non-contaminated packages may be recycled.
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14. TRANSPORT INFORMATION

UN NUMBER:	1272
UN PROPER SHIPPING NAME:	Pine Oil
TRANSPORT HAZARDS CLASS(ES):	3 (flammable, liquid)
PACKING GROUP:	III (Substances presenting low danger)
ENVIRONMENTAL HAZARDS:	Marine pollutant
SPECIAL PRECAUTIONS FOR USER:	See sections 6 to 8
TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 AND THE IBC CODE:	Packed and transferred according to transport regulations

15. REGULATORY INFORMATION

REGULATION NO 2037/2000:	Not applicable
REGULATION NO 850/2004:	Not applicable
REGULATION NO 648/2004:	Not applicable
REGULATION NO 689/2008:	Not applicable
NATIONAL REGULATIONS:	WGK: Water hazard class WGK 2: Hazardous to water

16. OTHER INFORMATION

Essential oils must be diluted prior to use. It is the sole responsibility of the user to determine the method and amount of dilution required for safe use, which may vary depending on the nature of the intended use. Keep away from children and pregnant women.

Not for ingestion.
Not for use in food applications.

HAZARD STATEMENTS LISTED IN SECTION 3: R11: Highly flammable
R36: Irritating to eyes
R38: Irritating to skin

Revised on 12/10/2020

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.