



GSTIN:-03BASP0545D1Z0  
IEC NO:- BASPK0545D  
ISO 9001:2015

☎ 0091-9216174152  
0091-7009467937

✉ [thepineproducts@gmail.com](mailto:thepineproducts@gmail.com)  
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# THE PINE PRODUCTS

Near Rayat Bahara College, Chandigarh Road, V.P.O Bohan, Hoshiarpur-146104(Pb.)

## Material Safety Data Sheet (MSDS)

### Pine Oil 85%

#### 1. Product and Company Identification

**Product Name** : Pine Oil 85%

#### Recommended use of the chemical and restrictions on use

Recommended use : industrial chemical

**CAS#** : 8002-09-3

**TSCA** : TSCA 8(b) inventory: Pine Oil 85%

**Chemical Name** : Oils,

**Chemical Formula** : Not available.

#### COMPANY IDENTIFICATION

**Supplier:**

**The Pine Products.**

VPO Bohan, Distt Hoshiarpur(PB)-146001

INDIA

EMAIL: -THEPINEPRODUCTS@GMAIL.COM

WEBSITE: -WWW.THEPINEPRODUCTS.IN

**24 Hour Health Emergency** 0091 9216174152

**Transportation Emergency Phone** 0091-7009467937

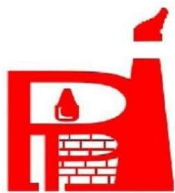
Company Name	Place	EMERGENCY TELEPHONE NUMBER
The Pine Products	India	Emergency -0091- 9216174152

#### 2. Composition and Information on Ingredients

##### Composition:

Chemical Name	CAS #	% by Weight
Oils , Pine Oil 85%	8002-09-3	90-100

Any Concentration shown as a range is due to batch variation.



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## 3. Hazards Identification

### GHS Classification

Flammable liquids	: Category 3
Skin irritation	: Category 2
Eye irritation	: Category 2A
Skin sensitization	: Sub-category 1A
Aspiration hazard	: Category 1

### GHS label elements

Hazard pictograms



Signal word : Danger

Hazard statements :  
✓ Flammable liquid and vapor.  
✓ May be fatal if swallowed and enters airways.  
✓ Causes skin irritation.  
✓ May cause an allergic skin reaction.  
✓ Causes serious eye irritation.

Precautionary statements : **Prevention**  
✓ Keep away from heat/sparks/open flames/hot surfaces.  
✓ No smoking.  
✓ Keep container tightly closed.  
✓ Ground/bond container and receiving equipment.  
✓ Use explosion-proof electrical/ ventilating/ lighting equipment.  
✓ Use only non-sparking tools.  
✓ Take precautionary measures against static discharge.  
✓ Avoid breathing dust/ fume/ gas/ mist/ vapor's/ spray.  
✓ Wash skin thoroughly after handling.

Manufacturers Of :- Various Kind Pine oil, Carene, Longifolene, D.D Terpentine, Dipentine, Terpeneols, Pine Tar Etc.



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- ✓ Contaminated work clothing should not be allowed out of the workplace.
- ✓ Wear protective gloves/ eye protection/ face protection.

#### Response:

- ✓ IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- ✓ IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- ✓ IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- ✓ Do NOT induce vomiting.
- ✓ If skin irritation or rash occurs: Get medical advice/attention.
- ✓ If eye irritation persists: Get medical advice/attention.
- ✓ Take off contaminated clothing and wash before reuse. In case of fire: Use dry sand, dry chemical or alcoh-resistant foam to extinguish.

#### Storage:

- ✓ Store in a well-ventilated place. Keep cool. P405 Store locked up.

#### Disposal:

- ✓ Dispose of contents/ container to an approved waste disposal plant.

#### Other Hazards

None Known

#### 4. First Aid Measures

##### General advice

- ✓ Move out of dangerous area.
- ✓ Show this safety data sheet to the doctor in attendance.
- ✓ Symptoms of poisoning may appear several hours later.
- ✓ Do not leave the victim unattended.

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## **Eye Contact:**

Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

## **Skin Contact:**

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

## **Serious Skin Contact:**

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

## **Serious Inhalation:**

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

## **Ingestion:**

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

## **5. Fire and Explosion Data**

Auto-Ignition Temperature	: Not available.
Flash Points	: CLOSED CUP: 60°C (139°F).
Boiling Point	: 170 °C-190 °C (365 °F)
Flammable Limits	: Not available.
Products of Combustion	: Not available.

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## **Fire Hazards in Presence of Various Substances:**

Flammable in presence of open flames and sparks, of heat.

## **Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

## **Fire Fighting Media and Instructions:**

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Do not allow run-off from firefighting to enter drains or water courses.

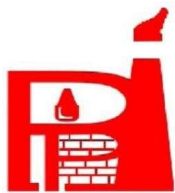
Hazardous combustion products : Fume  
Carbon oxides  
Unburned hydrocarbons

Specific extinguishing methods : Use a water spray to cool fully closed containers.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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## 6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapor's accumulating to form explosive concentrations.  
Vapors can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

## 7. Handling and Storage Precautions:

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapor's). Keep away from open flames, hot surfaces and sources of ignition.

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## Advice on safe handling

: Avoid formation of aerosol. Do not breathe vapor's/dust.  
Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.  
For personal protection.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

## Conditions for safe storage

: No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

## 8. Exposure Controls/Personal Protection

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

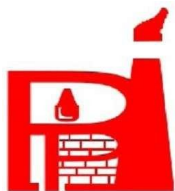
### Personal Protection:

Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self-contained breathing apparatus

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should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

## 9. Physical and Chemical Properties

Physical state and appearance	: Liquid.
Odor	: Pine
Color	: <b>Light Pale oily transparent liquid.</b>
Boiling Point	: 170 °C-190 °C (365 °F)
Specific Gravity at 20 °C	: 0.925-0.940 (Water = 1)
Water/Oil Dist. Coeff.	: Not available.
Ionicity (in Water)	: Not available.
Dispersion Properties	: Not available.
Solubility	: Insoluble in water.

## 10. Stability and Reactivity Data

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.

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Incompatible materials : Strong acids  
Strong bases  
Strong oxidizing agents  
Hazardous decomposition products : Carbon oxides  
various hydrocarbons

## 11. Toxicological Information

### Acute Toxicity

#### Product:

Acute oral toxicity : Acute toxicity estimate: 3,232mg/kg

#### Components:

##### **8002-09-3:**

Acute oral toxicity : LD50 (Rat): 3,200 mg/kg  
Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg

### Skin corrosion/irritation

#### Product:

Result: Irritating to skin.

#### Components:

##### **8002-09-3:**

Result: Irritating to skin.

### Serious eye damage/eye irritation

#### Product:

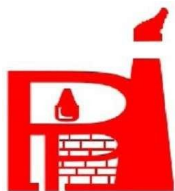
Result: Irritating to eyes.

#### Components:

##### **8002-09-3:**

Result: Irritating to eyes.

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## Respiratory or skin sensitization

### Product:

Result: The product is a skin sensitizer, sub-category 1A.

### Components:

#### **8002-09-3:**

Remarks: No data available

## Germ cell mutagenicity

### Components:

#### **8002-09-3:**

Genotoxicity in vitro : Test Type: Mammalian cell gene mutation assay  
Species: Chinese hamster ovary (CHO)  
Metabolic activation: with and without metabolic activation  
Result: negative

: Test Type: DNA damage and/or repair  
Species: Rat liver  
Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration assay in vivo  
Species: Mouse (male and female)

Cell type: Bone marrow  
Application Route:  
Intraperitoneal Exposure  
time: 24 - 72 h  
Dose: 0, 116, 578, 1155  
mg/kg by Result: negative

Germ cell mutagenicity  
-Assessment : Did not show mutagenic effects in animal  
experiments.

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## Carcinogenicity

### Components:

#### **8002-09-3:**

Remarks: This information is not available.

Carcinogenicity - Assessment : carcinogenicity classification is not possible

## IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

## NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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## Reproductive toxicity

### Components:

#### **8002-09-3:**

Effects on fertility : Remarks: No data available

Effects on fetal development

: Species: Rat  
Application Route: Oral  
Dose: 0, 50, 600, 1200 mg/kg  
Duration of Single Treatment: 10 d  
General Toxicity Maternal: NOAEL: 50 mg/kg body weight  
Developmental Toxicity: NOAEL: 600 mg/kg body weight  
Symptoms: Maternal toxicity, Preimplantation loss, Specific developmental abnormalities

Reproductive toxicity Assessment

reproduction classification is not possible

Teratogenicity - Assessment

: Embryotoxicity classification not possible from current data.

## STOT - single exposure

### Products:

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

### Components:

#### **8002-09-3:**

Exposure routes: Inhalation

Assessment: May cause respiratory irritation.

## Aspiration toxicity

### Product:

May be fatal if swallowed and enters airways.

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