



SWADESH(INDIA) CHEMICAL PVT.LTD.

MATERIAL SAFETY DATA SHEET (MSDS)

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name:

- **Pine Oil 32%**
- **Synonyms:** Pine Needle Oil, Turpentine Oil, Yarmor

Manufacturer/Supplier:

Swadesh (India) Chemical Pvt. Ltd.

Address:

Survey No: 512, Plot No. 7,
Shri Hari Industrial Park,
Kadadra Village, Near ZAK GIDC,
Dehgam, Gandhinagar, Gujarat, India – 382330

Contact:

- Email: business@swadeshindia.in
- Website: www.swadeshindia.in

Recommended Use:

- Disinfectant, fragrance agent, industrial cleaner

2. COMPOSITION/INGREDIENT INFORMATION

Component	CAS No.	Concentration (%)
Pine Oil (α -terpineol based)	8002-09-3	32%

Additional Notes:

- Contains terpene alcohols (α -terpineol, terpinene)
- May contain trace limonene (<1%)



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3. HAZARDS IDENTIFICATION

GHS Classification:

- Flammable Liquid (Category 3)
- Skin Irritation (Category 2)
- Eye Irritation (Category 2)
- Hazardous to Aquatic Life (Chronic, Category 2)

Hazard Statements (H-Codes):

- H226 (Flammable liquid and vapor)
- H315 (Causes skin irritation)
- H319 (Causes serious eye irritation)
- H411 (Toxic to aquatic life with long-lasting effects)

Precautionary Statements (P-Codes):

- P210 (Keep away from heat/sparks/open flames)
- P280 (Wear protective gloves/eye protection)
- P305+P351+P338 (IF IN EYES: Rinse cautiously with water)
- P337+P313 (If eye irritation persists: Get medical help)

4. FIRST AID MEASURES

- **Inhalation:** Move to fresh air; give artificial respiration if needed
- **Skin Contact:** Wash with soap and water for 15 minutes
- **Eye Contact:** Rinse immediately with water for 15 minutes (hold eyelids open)
- **Ingestion:** Rinse mouth; do NOT induce vomiting. Seek medical attention

5. FIRE FIGHTING MEASURES

- **Extinguishing Media:** Alcohol-resistant foam, CO₂, dry chemical
- **Flash Point:** ~65°C (closed cup)
- **Autoignition Temperature:** ~250°C
- **Special PPE:** Self-contained breathing apparatus



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6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

- **Personal Precautions:** Eliminate ignition sources; ventilate area
- **Containment:** Use absorbent materials (sand, vermiculite)
- **Cleanup Methods:** Collect in containers for proper disposal

7. HANDLING AND STORAGE

- **Handling:**
 - Use in well-ventilated areas; ground containers
- **Storage:**
 - Store in cool place (<30°C) away from oxidizers

8. EXPOSURE CONTROL/PERSONAL PROTECTION

- **Engineering Controls:** Local exhaust ventilation
- **PPE:**
 - Gloves: Nitrile
 - Eye Protection: Chemical goggles
 - Respiratory: Organic vapor mask if ventilation inadequate

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, pale yellow liquid
Odor	Characteristic pine odor
Density (20°C)	0.95-1.01 g/cm ³
Solubility in Water	Partially soluble
Boiling Point	200-220°C



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10. STABILITY AND REACTIVITY

Chemical Stability:

- Stable under normal conditions

Incompatible Materials:

- Strong oxidizers, nitric acid

Hazardous Decomposition Products:

- May form formaldehyde on heating

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- LD₅₀ (oral, rat): 3,200 mg/kg
- LD₅₀ (dermal, rabbit): >5,000 mg/kg

Skin Irritation (rabbit):

- May cause allergic reactions

12. ECOLOGICAL INFORMATION

Biodegradability:

- Readily biodegradable

Aquatic Toxicity:

- LC₅₀ (fish, 96h): 10-100 mg/L
- EC₅₀ (Daphnia, 48h): 1-10 mg/L

13. DISPOSAL CONSIDERATIONS

Waste Disposal:

- Incinerate in approved facility

14. TRANSPORT INFORMATION

DOT/IMO/IATA:

- Class 3 (Flammable Liquid), UN 1272



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15. REGULATORY INFORMATION

India:

- Compliant with CPCB regulations

International:

- REACH registered
- OSHA compliant

16. ADDITIONAL INFORMATION

Revision Date :20/04/24

Disclaimer: This MSDS is provided for informational purposes only. Users should make their own determination of suitability for any particular purpose.