



GREEN PINE INDUSTRIES

Plot No. 109/110, Shiv Ganga Industrial Estate, Bhagwanpur-Roorkee Uttarakhand – 247667. India

Phone No: +91-1332-312224 Email: info@greenpine.in Website: www.greenpine.in

MATERIAL SAFETY DATA SHEET

TERPINEOL

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

PRODUCT NAME	TERPINEOL
RECOMMENDED USE	Flavorings, Perfumes, Disinfectant Etc.
MANUFACTURER	M/s. Green Pine Industries
TELEPHONE NO.	+91-84759-22221
FAX NO.	(022) 2405 6700

2. COMPOSITION / INFORMATION IN INGREDIENTS:

Chemical Identity	:	Terpineol
Molecular Formula	:	C ₁₀ H ₁₈ O
CAS No.	:	8000-41-7 / 98-55-5
EC No.	:	232-268-1 / 202-680-6

3. HAZARDS IDENTIFICATION:

IRRITATING SKIN

4. FIRST AID MEASURES:

IN HALATION	:	Provide with fresh air.
SKIN	:	Take off all contaminated clothing, wash with plenty of water.
EYES	:	Rinse thoroughly with plenty of water and seek medical advice.
INGESTION	:	Immediately drink plenty of water. Seek medical advice and show this container or label.

5. FIRE FIGHTING MEASURES:

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide (CO₂), foam powder.

SPECIAL PROTECTIVE EQUIPMENT FOR THE FIRE FIGHTING : Do not stay in danger zone without self – contained breathing apparatus.

OTHER INFORMATION : Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire – fighting water from entering surface



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water or groundwater. Keep away from sources of ignition.

SPECIAL RISKS : Combustible. Vapours heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

6. ACCIDENTAL RELEASE MEASURES:

PERSON RELATED PRECAUTIONARY MEASURES : Do not inhale vapors /aerosols. Ensure supply of fresh air in enclosed rooms.

ENVIRONMENTAL PROTECTION: MEASURES : Do not allow to enter sewage system.

PROCEDURES FOR CLEANING / : ABSORPTION : Take up with liquid – absorbent material. Forward for disposal. Clean affected area.

7. HANDLING AND STORAGE:

HANDLING : Take precautionary measures against static discharges. Keep away from source of ignition. When using do not eat or drink.

STORAGE : Tightly closed, in a well – ventilated place. Keep away from source of ignition – no smoking.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

EXPOSURE LIMITES : Avoid contact with eyes, skin, clothing and breathing vapor.

PERSONAL PROTECTIVE EQUIPMENT : Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

RESPIRATORY PROTECTION : Required when vapors / aerosols are generated.

EYE PROTECTION : Wear eye / face protection.

HAND PROTECTION : Wear suitable gloves.

INDUSTRIAL HYGIENE : Change contaminated clothing. Application of skin – protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES:



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FORM	:	Liquid
COLOR	:	Colorless
ODOR	:	Pine
BOILING POINT	:	217°C
FLASH POINT	:	89.4°C
OXIDIZING PROPERTIES	:	Not oxidizing, not flammable
VAPOR PRESSURE	:	(40°C) 0.24 hPa
DENSITY/SPECIFIC GRAVITY	:	0.935 – 0.945
@ 20°C		
SOLUBILITY IN WATER	:	Insoluble
ORGANIC SOLVENTS	:	Soluble

10. STABILITY AND REACTIVITY:

CONDITIONS TO BE AVOIDED :	Heating
SUBSTANCES TO BE AVOIDED:	Bases, Acid Chlorides, Acid Anhydrides
HAZARDOUS DECOMPOSITION : PRODUCTS	Carbon Monoxide, Carbon Dioxide

11. TOXICOLOGICAL INFORMATION:

LD50 ORAL, RAT	:	4300 mg/kg
FURTHER TOXICOLOGICAL INFORMATION	:	May be harmful if inhaled, swallowed, or if absorbed through the skin.

12. ECOLOGICAL INFORMATION:

FURTHER ECOLOGICAL DATA :	Do not allow to enter water, drain or soil.
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13. DISPOSAL CONSIDERATION:

PRODUCT	:	According to official local regulations.
PACKING	:	According to official local regulations.

14. TRANSPORT INFORMATION:

NO SUBJECT TO TRANSPORT REGULATIONS.

15. REGULATORY INFORMATION:



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LABELING ACCORDING TO EC DIRECTIVES:

SYMBOL : Xi Irritant
R-PHRASES : 38 Irritating Skin

16. OTHER INFORMATION:

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
