HIMALAYA TERPENES PVT. LTD.

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MATERIAL SAFETY DATA SHEET

PINE OIL 12, 22, 32, 42, 50, 70, 85, 92, 211, 311, 411, 511

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

PRODUCT NAME	PINE OIL
SUPPLIER	M/S. HIMALAYA TERPENES PVT. LTD. UNIT NO. 201, BLDG. NO. 5, JOGANI INDL. COMPLEX, V. N. PURAV MARG, SION – CHUNABHATTI, MUMBAI – 400 022

2. COMPOSITION / INFORMATION IN INGREDIENTS:

ALCOHOL CONTENT	10% - 80%
CAS No.	8002-09-3
EINECS	304-455-9
H. S. Code	38059010

3. HAZARDS IDENTIFICATION:

Flammable, irritating to eyes, skin and respiratory system.

POTENTIAL HEALTH EFFECTS

EYE	:	Causes eye irritation.
SKIN	:	Causes skin irritation.
INGESTION	:	Causes digestive tract irritation. The toxicological properties of this substance have not been fully investigated.
INHALATION	:	Causes respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

4. FIRST AID MEASURES:

EYES	:	Rinse eyes with a large quantity of water for at least 15 minutes, occasionally lifting the upper and lower eyelids, consult oculist immediately.
SKIN	:	Remove contaminated clothing and shoes ASAP, wash affected area with plenty of soap and water for at least 15 minutes, consult surgeon immediately.
INGESTION	:	Rinse mouth with plenty of milk or water (only if victim is conscious and alert). Get medical aid immediately.
INHALATION	:	Remove victim from exposure to fresh air immediately, if not breathing, give artificial respiration, if breathing is difficult, give medical oxygen. Get medical aid immediately.

5. FIRE FIGHTING MEASURES:

SPECIAL FIRE FIGHTING PROCEDURES	:	As material emits toxic fumes under fire conditions, wearing a self-contained breathing apparatus in pressure-demand and protecting clothing to prevent contacts from eyes and skin is strongly recommended.
EXTINGUSHING MEDIA	:	Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

6. ACCIDENTAL RELEASE MEASURES:

GENERAL INFORMATION	:	Use proper personal protective apparatus as indicated in Section 8.
SPILLS / LEAKS	:	Cover with an inert material (e.g. dry-lime, sand, earth or soda ash), then place in suitable and tightly closed containers using non-sparking tools, transport outdoors. Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

7. HANDLING AND STORAGE:

HANDLING	:	Measures indicated in Section 8 should taken to prevent contact from skin and eyes. Vapors may form explosive mixtures with air, provide suitable air extraction ventilation in the work areas.
STORAGE	:	Keep away from heat, sparks and flames. Store in a tightly closed and suitable container, containers should be stored in a cool and dry place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROLS	:	Use adequate ventilation to keep the vapor concentration in work areas out from explosion limits.
PROTECTIVE EQUIPMENT: EYES	:	Wear chemical safety goggles if splashing is possible, wash contaminated goggles before reuse.
SKIN	:	Wear Compatible chemical-resistant gloves and appropriate protective clothing, wash contaminated gloves and clothing before reuse.
INHALATION	:	Do Not breath vapors. In confined or poorly ventilated areas, the use of an appropriate respiratory protection may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE	:	Colorless to light yellow liquid.
ODOUR	:	Pine Aroma
SPECIFIC GRAVITY (D_4^{20})	:	0.900 – 0.935
SOLUBLE IN	:	Paraffin Oil, Alcohol, Kerosene.
SOLUBILITY IN WATER	:	Negligible.

10. STABILITY AND REACTIVITY:

CHEMICAL STABILITY	:	Stable under ordinary conditions of use and storage.
CONDITIONS TO AVOID	:	Heat, sparks, open flames and other sources of ignition.
INCOMPATIBLE MATERIALS	:	Strong oxidizing agents.
HAZARDOUS DECOMP. PRODUCTS	:	Carbon monoxide, Carbon dioxide, irritating and toxic fumes and gases.

11. TOXICOLOGICAL INFORMATION:

ACUTE EFFECTS	:	Irritant, irritating to eyes, skin digestive and respiratory system.
TOXICOLOGICAL DATA	:	LD50. ORL-RAT 3200 mg/kg LD50 SKN-RBT 5 mg/kg
CARCINOGENICITY	:	Per OSHA, IARC, NTP, ACGIH, OEHA- Prop 65.
REPRODUCTIVE TOXIN	:	Per OSHA, IARC, NTP, ACGIH, OEHA- Prop 65.

12. ECOLOGOICAL INFORMATION:

GENERAL INFORMATION	:	Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATION:

Dispose of in accordance with all national and local environmental regulations.

14. TRANSPORT INFORMATION :

LABEL FOR CONVEYANCE:

LAND TRANSPORT (RID / ADR)

SHIPPING NAME	:	Pine Oil
HAZARD CLASS	:	3
UN Number	:	1272
PACKING GROUP	:	III

MARINE TRANSPORT (IMDG)

SHIPPING NAME	:	Pine Oil
HAZARD CLASS	:	3
UN Number	:	1272
PACKING GROUP	:	III

AIR TRANSPORT (IATA)

SHIPPING NAME	:	Pine Oil
HAZARD CLASS	:	3
UN Number	:	1272
PACKING GROUP	:	III

15. REGULATORY INFORMATION:

HAZARD SYSMBOLS	:	Xi - Irritant
RISK PHRASES	:	R – 36/37/38 – Irritating to eyes, respiratory system, and skin.
SAFETY PHRASES	:	S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36 – Wear suitable protective clothing.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM:

FIRE : 2 HEALTH : 1 REACTIVITY : 0 PERSONAL PROTECTION : B
(Degree of Hazard : 4 = Extreme, 3 = High, 2= Moderate, 1 = Slight, 0 – Insignificant)

16. ADDITIONAL INFORMATION:

The information contained in this MSDS is believed to be accurate and represent the best information currently available to us. We have tried to make the information as accurate as, however, it must be pointed out that we make no warranty of merchantability or any other warranty, expressed or implied. The Himalaya Terpenes Pvt. Ltd., disclaims any liability for any injury or loss arising from the use of this information or the materials described. Users should make their own investigations to determine the suitability of the information for their particular applications. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any social, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.