HIMALAYA TERPENES PVT. LTD.

201/5, Jogani Industrial Estate, VN Purav Marg, Chunabhatti Mumbai – 400022.

Tel: +91-22-24056704/05 Fax: +91-22-24056700 Email: mum@himalayaterpene.com

MATERIAL SAFETY DATA SHEET

LONGIFOLENE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	**Longifolene**
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**
Tel. No.	**(022) 24056704/05**
Fax No.	**(022) 2405 6700**

2. COMPOSITION / INFORMATION IN INGREDIENTS:

Synonyms: [1S-(1á 3a â 4á , 8a â)] -Decahydro-4,8,8-trimethyl-9-methylene-1,4-

Molecular formula: $C_{15}H_{24}$

Molecular Weight: 204,35 g/mol

CAS-No.: 475-20-7

3. HAZARDS IDENTIFICATION:

This substance is not classified as dangerous according to Directive 67/548/EEC.

4. FIRST AID MEASURES:

If inhaled :	If breathed in, move person into fresh air. If not breathing give artificial respiration
In case of skin contact:	Wash off with soap and plenty of water.
In case of eye contact :	Flush eyes with water as a precaution.

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5. FIRE FIGHTING MEASURES:

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire fighters:	Wear self contained breathing apparatus for fire fighting if necessary.
If swallowed :	Never give anything by mouth to an unconscious person. Rinse mouth with water.

6. PERSONAL PRECAUTIONS:

Avoid breathing vapors, mist or gas.

Environmental-protection measures:	Do not let product enter drains.
Methods for cleaning up:	Keep in suitable, closed containers for disposal.

7. HANDLING & STORAGE:

Handling:	Normal measures for preventive fire protection.
Storage:	Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Personal protective equipment

Respiratory Protection : Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:	For prolonged or repeated contact use protective gloves.
Eye protection:	Safety glasses
Hygiene measures:	General industrial hygiene practice.
	Light sensitive. Store under inert gas. Air sensitive.

9. PHYSICAL & CHEMICAL PROPERTIES:

Form:	Liquid
Color:	Colorless
Boiling point :	254 °C at 941 hPa
Flash point:	101°C
Density/specific gravity@25ºC:	0.928 g/mL

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10. STABILITY & REACTIVITY:

Storage stability: Stable under recommended storage conditions.

Materials to avoid: Strong oxidizing agents
Hazardous decomposition Products: Hazardous decomposition products formed under fire conditions. - Carbon oxides

12. ECOLOGICAL INFORMATION:

Ecotoxic effects
Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 0,9 mg/l - 7 d
LC50 - Pimephales promelas (fathead minnow) - 10,2 mg/l - 96 h
Growth inhibition LOEC - Pimephales promelas (fathead minnow) - 0,9 mg/l - 7d
Toxicity to daphnia and other aquatic invertebrates.
EC50 - Daphnia pulex (Water flea) - 0,08 mg/l - 48 h

Acute toxicity LD50 Oral - rat - > 5.000 mg/kg
LD50 Dermal - rabbit - > 5.000 mg/kg
Chronic exposure
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.

Potential Health Effects : Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation. Ingestion May be harmful if swallowed.

12. DISPOSAL CONSIDERATIONS:

Product: Observe all federal, state, and local environmental regulations.
Contaminated packaging: Dispose of as unused product.

13. TRANSPORT INFORMATION:

ADR/RD : Not Dangerous Good
IMDG : Not Dangerous Good
IATA : Not Dangerous Good

14. REGULATORY INFORMATION:

Labeling according to EC Directives:

Further information: The product does not need to be labelled in accordance with EC directives respective national laws.

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15. OTHER INFORMATION:

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