HIMALAYA TERPENES PVT. LTD.
201/5, Jogani Industrial Complex ,V.N. Purav Marg, Sion-Chunabhatti (E) Mumbai – 400022.
CIN:U24100MH1999PTC121377 Tel: +91-22-35397805 Email: info@himalayaterpene.com

# MATERIAL SAFETY DATA SHEET

## BETA PINENE

## ISSUE DATE: 01.01.2024

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY:

**1.1 Product identifier**

| | |
|---|---|
| Product : | BETA-PINENE |
| CAS : | 127-91-3 |
| EC Number : | 242-060-2 |
| Registration number (REACH) : | --/-- |
| Index No. : | |

**1.2 Relevant identified uses of the substance or mixture**

Industrial uses. Formulation [mixing] of preparations.
Uses advised against: Other uses than those recommended.
{?/TIPOREG}
{?/EEXP}

**1.3 Details of the supplier of the safety data sheet**

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Email : info@himalayaterpene.com

**1.4 Emergency telephone number**

| | |
|---|---|
| Mobile No. | +91-8108239393 |
| Telephone No. | 91-22-24056704/05 |

### SECTION 2: HAZARD IDENTIFICATION

**2.1 Classification of the substance or mixture**

**Classification in accordance with Regulation (EC) No 1272/2008**
Flammable liquids, Hazard Category 3; H226
Skin corrosion/irritation, Hazard Category 2; H315
Sensitisation — Skin, Hazard Category 1B; H317
Aspiration hazard, Hazard Category 1; H304
Short-term (acute) aquatic hazard, category acute 1; H400
Long-term (chronic) aquatic hazard, category chronic 1; H410.

**2.2 Label elements**

EC Number: 242-060-2
BETA PINENE



Signal word: Danger
Hazard Statements:
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

| | |
|---|---|
| P210: | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P280: | Wear protective gloves/eye protection/face protection. |
| P301+P310: | IF SWALLOWED: Immediately call a POISON CENTER/doctor. |
| P331: | Do NOT induce vomiting. |
| P333+P313: | If skin irritation or rash occurs: Get medical advice/attention. |
| P501: | Dispose of contents/container to an approved waste disposal plant. |

**2.3 Other hazards**

Results of PBT and vPvB assessment
The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

Environmental endocrine disrupting properties.
The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

Human health endocrine disrupting properties.
The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| | |
|---|---|
| Product : | BETA-PINENE |
| CAS : | 127-91-3 |
| EC Number : | 242-060-2 |
| Registration number (REACH) : | --/-- |
| Index No. : | |

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures**

| | |
|---|---|
| Consumption: | If swallowed, rinse mouth with water.<br>Seek medical advice immediately and show this container or label.<br>Keep the person at rest. Do NOT induce vomiting. |
| Eye contact: | Contact lenses should be removed. Hold eyelids open and flush with copious amounts of clean, fresh water and seek medical advice. |
| Inhalation: | Remove person to fresh air and keep at rest. |
| Skin contact: | Remove contaminated clothing. Wash skin with mild soap and water, rinse abundantly. If symptoms persist, obtain medical attention. |

**4.2 Most important symptoms and effects, both acute and delayed:**
Irritating to skin or mucous membranes (inflammation). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract. May produce an allergic reaction (rash, urticaria).
Aspiration hazard. May cause lung damage if swallowed (aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration).
Read label before use. No additional information available.

**4.3 Indication of any immediate medical attention and special treatment needed**
Not available

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media**
Recommended: Foam or dry powder.
For safety reasons do not use full water jet.

**5.2 Special hazards arising from the substance or mixture**
Not applicable.

**5.3 Advice for firefighters**
Closed containers may build up pressure at elevated temperatures.
Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.
Prevent run-off from fire fighting to enter drains or water courses.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures**
Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition.
Wear appropriate gloves to prevent skin exposure.
Avoid contact with skin and inhalation of its vapours or smoke.
Maintain adequate ventilation in the working area after spilling.

**6.2 Environmental precautions**
Avoid contaminating the environment via the sewers or water sources.

**6.3 Methods and material for containment and cleaning up**
Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
Ventilate area and wash spill site after material pickup is complete.
Dispose of in accordance with current laws and regulations.

**6.4 Reference to other sections**
See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling**
Keep away from food, drink and animal feedingstuffs. Do not smoke.
Avoid contact with skin and eyes.
Handle in accordance with good industrial hygiene and safety practice.

**7.2 Conditions for safe storage, including any incompatibilities**
Keep the product in its original container well sealed,in a dry and ventilated area,away from potential sources of ignition and protected from light.Store in accordance with local/national regulations and follow the warnings on the label.
Keep away from incompatible substances (see section 10).

**7.3 Specific end use(s)**
Not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Exposure controls**

| | |
|---|---|
| Personal protection equipment: | Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425. |
| Engineering Controls-Ventilation: | The areas where the product is handled and stored should be adequately ventilated. |
| Respiratory Protection: | Use personal breathing apparatus whenever deemed necessary. |
| Skin Protection: | Avoid contact with skin. Wear suitable gloves (EN 374). |
| Eye/Face protection: | Chemical safety goggles are recommended. Wash contaminated goggles before reuse. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties**

| | |
|---|---|
| Appearance: | LIQUID |
| Colour: | COLORLESS |
| Odour: | Characteristics |
| Odour threshold: | Not determined |
| pH value: | Not determined |
| Evaporation rate: | Not determined |
| Melting point: | Not determined |
| Boiling point: | 165 °C |
| Flash point: | 42 °C |
| Auto-ignition temperature: | Not determined |
| Decomposition temperature: | Not determined |
| Vapour pressure | Not determined |
| Vapour density: | Not determined |
| Density: | 0.860 - 0.880 g/cm³ (25 °C) |
| Refractive Index: | 1.475 – 1.478 (20 °C) |
| Water solubility: | Not determined |
| Partition coefficient: | Not determined |
| n-octanol/water: | Not determined |
| Viscosity: | Not determined |
| Kinematic viscosity: | Not determined |
| Oxidising properties: | Not available. |
| Explosive properties: | Not available. |
| Lower explosive limit: | Not determined |
| Upper explosive limit: | Not determined |

**9.2 Other information**
Additional information:

Not applicable

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity**
Not available.

**10.2 Chemical stability**
Stable under normal operating conditions.

**10.3 Possibility of hazardous reactions**

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.

**10.4 Conditions to avoid**
Heat, flames and other sources of ignition.
Handle in accordance with good industrial hygiene and safety practice.

**10.5 Incompatible materials**
Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.

**10.6 Hazardous decomposition products**
Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

## SECTION 11: TOXOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

| | |
|---|---|
| Acute oral toxicity (LD50): | Non toxic |
| Acute dermal toxicity (LD50): | Non toxic |
| Acute Inhalation toxicity (LC50 Gas): | Non toxic |
| Acute Inhalation toxicity (LC50 Dusts and Mists): | Non toxic |
| Acute Inhalation toxicity (LC50 Vapours): | Non toxic |

*See also sections 2 and 3.*

**11.2 Information on other hazards:**
Endocrine disrupting properties.:
The product does not contain substances identified as having human health endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity**

| | |
|---|---|
| Acute aquatic toxicity: | Not determined |
| Chronic aquatic toxicity: | Not determined |
| **12.2 Biodegradatio** | Not determined |

**12.3 Bioaccumulative potential:**
Not determined

**12.4 Mobility in soil:**
Not available.

**12.5 Results of PBT and vPvB assessment:**
The product does not contain substances identified as PBT and/or vPvB in a concentration equal to or greater than 0,1 % (w/w).

**12.6 Endocrine disrupting properties.:**
The product does not contain substances identified as having environmental endocrine disrupting properties in a concentration equal to or greater than 0,1 % (w/w).

**12.7 Other adverse effects:**
Not available.
Do not allow the material to enter streams, sewers or other waterways.

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**

| | |
|---|---|
| Container disposal: | Containers must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralise. Empty residue into a suitable disposal site. |
| Disposal conditions: | Dispose of in accordance with all state and local environmental regulations. This material and its container must be disposed of in a safe way. |

## SECTION 14: TRANSPORT INFORMATION

**International Carriage of Dangerous Goods by Road (ADR)**

| | |
|---|---|
| 14.1 UN No.: | UN1992 |
| 14.2 Proper Shipping Name: | FLAMMABLE LIQUID, N.O.S. (Contains (-)-Pin-2(10)-ene) |
| 14.3 Class: | 3 |
| 14.4 Packing Group: | III |
| 14.6 Special precautions for user: | |
| Tunnel restriction code: | (D/E) |
| Label: |  3 |

**Sea Transport (IMDG)**

| | |
|---|---|
| 14.1 UN No.: | UN1992 |
| 14.2 Proper Shipping Name: | Flammable liquid, n.o.s. (Contains (-)-Pin-2(10)-ene) |
| 14.3 Class: | 3 |
| 14.4 Packing Group: | III |
| 14.5 Marine Pollutant: | Yes  |
| 14.6 Special precautions for user: | |
| IMDG-Code segregation group: | - |
| EmS: | F-E,S-D |
| Label: |  |

**Air Transport (ICAO/IATA)**

| | |
|---|---|
| 14.1 UN No.: | UN1992 |
| 14.2 Proper Shipping Name: | Flammable liquid, n.o.s. ( (-)-Pin-2(10)-ene) |
| 14.3 Class: | 3 |
| 14.4 Packing Group: | III |
| 14.5 Special precautions for user: | |
| Passenger aircraft: | ACCEPTED |
| Cargo aircraft: | ACCEPTED |

## SECTION 15: REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Substances of very high concern:
The product does not contain substances included in the Substances of Very High Concern list (> 0,1 % w/w).

**15.2 Chemical safety assessment**
Not available.

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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Substances of very high concern:
The product does not contain substances included in the Substances of Very High Concern list (> 0,1 % w/w).

**15.2 Chemical safety assessment**
Not available.

## SECTION 16: OTHER INFORMATION

This material should only be used for industrial purposes.
Full text of classifications (CLP/GHS):

| | |
|---|---|
| Flam. Liq. 3; H226 | Flammable liquids, Hazard Category 3 |
| Skin Irrit. 2; H315 | Skin corrosion/irritation, Hazard Category 2 |
| Skin Sens. 1B; H317 | Sensitisation — Skin, Hazard Category 1B |
| Asp. Tox. 1; H304 | Aspiration hazard, Hazard Category |
| Aquatic Acute 1; H400 | Short-term (acute) aquatic hazard, category acute 1 |
| Aquatic Chronic 1; H410 | Long-term (chronic) aquatic hazard, category chronic 1 |

Key literature references and sources for data:

1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
2. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

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