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

ISOBORNYL ACETATE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier : ISOBORNYL ACETATE 96%

Chemical name: Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate

CAS: 125-12-2 **EC Number:** 204-727-6

Index No.: **REACH Registration number:** {?/REACH}

1.2 Relevant identified uses of the substance or mixture: Industrial uses. Formulation [mixing] of preparations..

Uses advised against: Other uses than those recommended.

1.3 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

TELEPHONE NO. (022) 2405 6704 / 2405 6705
FAX NO. (022) 2405 6700

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to the Regulation (EC) No 1272/2008.
This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2 Label elements

Número CE: 204-727-6
Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate

Signal word: -

This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.3 Other hazards

Not available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Concentration range of the constituent (% weight/weight)	CE Number / Registration Number	CAS	Chemical name
≥50% and ≤100	204-727-6 01-2119901856-34/--	125-12-2	Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acetate

SECTION 4: First aid measures

4.1 Description of first aid measures

Consumption: If swallowed, rinse mouth with water.

Seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

Eye contact: First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.

Inhalation: Remove person to fresh air and keep at rest.

Skin contact: Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

Not described.

4.3 Indication of any immediate medical attention and special treatment needed

Not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Carbon dioxide, dry chemical powder or appropriate foam.

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:

In case of fire in the surrounding area, follow the recommendations below:

1-Closed containers may build up pressure at elevated temperatures.

2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

3-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:

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.

7.3 Specific end use(s):

Not available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Declaration of substances is not required.

8.2 Exposure controls

Personal protection equipment:	Use personal protection equipment according to Directive 89/686/EEC.
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.
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 - PALE YELLOW
Odour:	WOODY, BALSAMIC, HERBACEOUS
Density:	0.980 g/cm³ (20 °C)
Boiling point:	110 °C
Refractive Index:	1.452 - 1.475 (20 °C)
Flash point:	88 °C
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.

No special precautions other than good housekeeping of chemicals.

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: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Skin corrosion/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitisation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

SECTION 12: Ecological information

12.1 Acute aquatic toxicity: Not determined

12.2 Persistence and degradability: Not available.

12.3 Bioconcentration Factor: Not determined

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: Not determined

12.6 Other adverse effects: 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)

UN No.:	N/A
Proper Shipping Name:	Not subject to ADR.
Packing Group:	-
Class:	-
Tunnel restriction code:	-
Label:	-

Sea Transport (IMDG)

UN No.:	N/A
Proper Shipping Name:	Not restricted.
Packing Group:	-
Class:	-
Marine Pollutant:	No
Label:	

Air Transport (ICAO/IATA)

UN No.:	N/A
Proper Shipping Name:	Not restricted.
Packing Group:	-
Class:	-
Label:	

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SECTION 15: Regulatory information

M/s. Himalaya Terpenes Pvt. Ltd.
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15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Not available

15.2 Chemical safety assessment:

Not available.

SECTION 16: Other information

This material should only be used for industrial purposes.

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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Reason for Change: Adjustment to Regulation (EU) 2015/830.