



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

DELTA - 3 CARENE

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: DELTA CARENE

Use of the substance: This material is only used as an ingredient in the manufacturing of aromatic bases.

Company identification: **M/S. Green Pine Industries
Plot No. 109 / 110, Shiv Ganga Indl. Estate,
Bhagwanpur – Roorkee, Uttarakhand 247 667**

Tel. No. **084759 22221**

Fax No. **(022) 2405 6700**

2. HAZARDS IDENTIFICATION:

Human hazardous : In his pure state, and when it is not correctly manipulated or when inhaled.

Excessively, product can cause irritation of the skin, eyes and respiratory tracks.

Environment hazardous : if liked, product can pollute subsoil, soil and superficial water.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

CHEMICAL INFORMATION: 3,7,7-Trimethylbicyclo[4.1.0]hept-3-ene

N° CAS: 13466-78-9

N° EINECS: 236-719-3

FEMA: 3821

N° CEE: --

MOLECULAR FORMULA: C₁₀ H₁₆

MOLECULAR WEIGHT: 136

4. FIRST AID MEASURES:

Inhalation : In case of excessive inhalation, expose the person to fresh air and if Necessary, obtain medical assistance.

Symptoms: Choking, drowsiness, respiratory disruptions, Eye contacts immediately rinse eyes with water. If any sign of tissue damage or Persistent irritation is apparent, obtain medical assistance immediately.

Symptoms: Irritation, Reddening.

Skin contact : Remove contaminated clothing. Wash skin immediately with water and Soap. If any sign of tissue damage or persistent irritation is apparent Obtain medical assistance immediately

Symptoms: Irritation, Stinging.

Ingestion : Rinse mouth with water. Obtain medical assistance immediately. Do not induce vomiting.

Symptoms: Queasiness, Stomach Aches



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5. FIRE-FIGHTING MEASURES:

Ways of extinction : CO₂, extinction powder or foam.
Do not use: Water directly.
Individual protection : Use general extinction equipments for fire fighting and use breathing equipments
Avoid inhalation of fumes and vapours.
Dangers : Do not allow that the spilling of the fire extinction of fire flows into drain or water. High temperatures can provoke high pressures inside the closed packages.
Do not breathes fumes or vapours.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Remove all sources of ignition. In case of existing, avoid breathing combustion vapours. Provide proper ventilation. Avoid breathing vapours. Avoid the contact with the skin, eyes and mucous.
Environmental precautions: Spillages should be contained by use of sand or another inert material. Avoid penetration in the sewage system and surface water.
Methods for cleaning : Spillages should be contained by use of sand or another inert material. All the materials used for cleaning spillages should be disposed of promptly in accordance with current legislation.

7. HANDLING AND STORAGE:

Handling: Apply according to good manufacturing and industrial hygiene practices. Respect good personal hygiene practices. Do not drink, eat or smoke during manipulation. Respect the precaution rules of the industrial risks. Keep away from sources of ignition. The incorporation to the finished product must be done at the lowest possible temperature. Ensure good ventilation of work station .
Storage: Store according to the local and/or national storage rules, respecting the precautions printed on the labels. Store in hermetic recipients, belter full, in cool, dry and ventilated areas away from heat sources and protected from light. Keep air contact to a minimum. Keep away from sources of ignition and flames fulfil the chemical agent storage regulation. Do not store this product near any kind of food , or drinkable water.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Respiratory protection: Avoid breathing directly on the product. Apply local ventilation when appropriate.
Hand protection: Use chemical resistant gloves
Eye protection: Use safety glasses
Skin protection: Avoid skin contact
Environment exposure control: Avoid discharging into drainage water. Only eliminate by authorized companies.



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9. PHYSICAL AND CHEMICAL PROPERTIES:

General information:

Appearance:	LIQUID
Odour:	CHARACTERISTIC
Colour:	COLOURLESS-PALE YELLOW

Important health, safety and environment information:

Boiling point/Boiling range:	169-174°C
Flash point:	45°C
Relative density:	0.86 – 0.865

10. STABILITY AND REACTIVITY:

Stable under normal conditions

Conditions to avoid: High temperatures, pressure and inadequate manipulation of Packages.
Materials to avoid: Acid, alkaline and oxidizing agents
Hazardous decomposition products: Under normal conditions of storage are not Known dangerous substances in decomposition.

11. TOXICOLOGICAL INFORMATION:

Repeated dose toxicity: Due to the lack of adequate toxicology studies, the product has to be considered as possible health hazard, and therefore it is supposed to manipulate it safety with all possible kinds of protection.

12. ECOLOGICAL INFORMATION:

12.1 Toxicity

Further details: no data available

12.2. Persistence and degradability

Further details: no data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:
no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

13. DISPOSAL CONSIDERATIONS:



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Respect the local or national norms about elimination of residues and packages appropriate elimination method : whenever possible, it is better to recycle than depositing or incinerating.

14. TRANSPORT INFORMATION:

FLAMMABLE LIQUID, N.O.S

ADR Class: 3
Pack group: III
Other information:
IMDG Class: 3
Pack group: III
Other information:
IATA Class: 3
Pack group: III
UN NO: 1993

15. REGULATORY INFORMATION:

HAZARD SYMBOLS: Xn

R PHRASES:

R10- Flammable.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R43- May cause sensitization by skin contact.
R65- Harmful may cause lung damage if swallowed

S PHRASES:

S24- Avoid contact with skin.
S37- Wear suitable gloves.
S62- If swallowed, do not induce vomiting; seek medical advice immediately and show this container or Label.

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 possible, however, it must be pointed out that we make no warranty of merchantability or any other warranty, expressed or implied. Green Pine Industries, 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.
