

Material Safety Data Sheet

Alpha-Cedrene

Section 1 - Chemical Product and Company Identification

Synonyms : Alpha-cedrene, cedr-8-ene, di-epi-alpha cedrene
Molecular Weight : 204.35 g/mol
Chemical Formula : C₁₅H₂₄
Company Identification : Tradeasia International Pte. Limited
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Section 2 - Composition and Information on Ingredients

Composition:

Chemical Name	CAS No	Purity, %
Alpha Cedrene	469-61-4	min. 95.0

Section 3 – Hazards Identification

3.1 Classification of the substance according to GHS

Skin corrosion/irritation (Category 2)

H315: Causes skin irritation

Serious eye damage/eye irritation (Category 2)

H319: Causes serious eye irritation

Acute aquatic toxicity (Category 1)

H400: Very toxic to aquatic life

3.2. GHS Label elements, including precautionary statements



Warning
GHS: Exclamation mark



Warning
GHS09: Environmental hazards

P273: Avoid release to the environment.

P305+P315+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

3.3. Other hazards which do not result in classification

Not applicable.

Potential health effects

Eye contact

Alpha cedrene is a serious eye irritant.

Skin contact

Alpha cedrene can cause irritation to intact skin.

Potential ecological effects

Large amounts of alpha cedrene can be harmful to plants and other species. Therefore releases to the environment should be minimised.

Refer to section 11 for details on Toxicological data.

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Skin contact

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

Eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

Note to physicians

Treat symptomatically.

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

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

5.2. Specific hazards arising from the chemical

Toxic fumes

5.3. Special protective actions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Fire-fighting/Further advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

6.3. Methods and material for containment and cleaning up

N.A.

6.4. Further accidental release measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

Section 7 – Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature

- Store at room temperature

Storage Requirements

- Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 – Exposure Controls/Personal Protection

8.1. Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

8.2. Appropriate engineering controls

- Showers
- Eyewash stations
- Ventilation systems

8.3. Individual protection measures, such as personal protective equipment (PPE)

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance : N.A.

Odour : woody

Odour threshold : N.A.

pH @ 20°C : N.A.

Melting point : 43.77°C

Boiling point : 261 °C

Flash point : 104°C

Evaporation rate : N.A.

Flammability : N.A.

Upper/lower flammability or explosive limits : Non explosive

Vapour pressure : Negligible @ 20°C

Vapour density : N.A.

Relative density : N.A.

Solubility in water : 0.1504mg/L @ 25°C

Partition coefficient: n-octanol/water : N.A

Auto-ignition temperature : N.A.

Decomposition temperature : N.A.

Viscosity : N.A.

9.2. Other information

Molecular weight : 204.35

Specific gravity : 0.932 @ 20°C

Section 10 – Stability and Reactivity

10.1. Reactivity

N.A.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal processing

10.4. Conditions to avoid:

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Strong oxidizers

10.6. Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide

Section 11 – Toxicological Information

11.1. Information on likely routes of exposure

Inhalation: No data available.

Eye contact: No data available.

Skin contact: No data available.

Ingestion: No data available.

11.2. Information on toxicological effects

Smptoms: No information available.

11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic toxicity: No information available.

11.4. Numerical measures of toxicity – Product Information

Unknown acute toxicity: 100% of the mixture consists of ingredient(s) of unknown toxicity.

Section 12 – Ecological Information

Ecotoxicity: May cause long lasting harmful effects to aquatic life

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Section 13 – Disposal Considerations

13.1. Disposal methods

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14 – Transport Information

14.1. UN number : UN3082

14.2. UN proper shipping name : Environmentally hazardous substance, liquid, n.o.s.

14.3. Transport of hazard classes : 9

14.4. Packing group : III

14.5. Emergency Response Guide Number: 171

Section 15 – Regulatory Information

15.1. International Inventories

All of the components in the product are on the following Inventory lists:

- TSCA (United States)
- Canada (DSL/NDSL)
- Europe (EINECS/ELINCS/NLP)
- Australia (AICS)
- South Korea (KECL)
- China (IECSC)
- ENCS (Japan)
- Philippines (PICCS)

15.2. US Federal Regulations

15.2.1. SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

15.2.2. SARA 311/312 Hazard Categories

Acute health hazard: No

Chronic Health Hazard: No

Fire hazard: No

Sudden release of pressure hazard: No

Reactive hazard: No

15.2.3. CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

15.3 US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: This product does not contain any substances regulated by state right-to-know regulations.

Section 16 : Additional Information

References: Not available.

Other Special Considerations: Not available.

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