

MATERIAL SAFETY DATA SHEET

Distributor

SUMMIT TRADE PTE LTD
9/F Baiyun Riverscape Tower, 5 Xijiang 2nd Road,
Wuzhou, Guangxi, China (543001)
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Product identification

Product name: TERPINEOL
CAS NO. 8000-41-7
Synonyms: terpene alcohol
Formula: C₁₀H₁₈O
Molecular weight: 154.25

Composition/information on ingredients

Mixture of terpene alcohol isomers.

Hazards identification

Eye: May cause irritation, redness and pain.
Skin: May cause irritation.
Inhalation: Not expected to be an inhalation hazard.
Ingestion: Not expected to be a health hazard.
Chronic Exposure: No information found.

First aid measures

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin Contact: Wash skin with soap and water for at least 15 minutes. Get medical attention if irritation.
Inhalation: Not expected to require first aid measures.
Ingestion: If swallowed, give several glasses of water to drink to dilute. Get medical advice if necessary. Never give anything by mouth to an unconscious person.

Fire fighting measures

As with most organic substances, fire is possible at elevated temperatures or by contact with a fire.
Explosion: Above the flash point, explosive vapor-air mixtures may be formed.
Fire Extinguishing Media: Dry chemical, foam or carbon dioxide. Water spray may be used to keep fire exposed containers cool.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Accidental release measures

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

Handling and storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Do not store in close proximity to heat, open flames, strong acids, strong bases.

Exposure controls/Personal protection

Airborne Exposure Limits: None established.
Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible.
Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls.
Personal Respirators (NIOSH Approved): For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

Physical and chemical properties

Appearance: colorless & thick liquid (appearing crystal)
Color (species standard): 3 max.
Odor: like the sweet smell of lilac
Relative density (g/ml, 20 degree C): 0.931 - 0.935
Dioptre (20 degree C): 1.4825 - 1.4855
Boiling range (V/V): 4% max. (below 214 degree C)
Solubility (25 degree C): 1 ml in 2ml 70% alcohol
Flash point: >100 degree C

Stability and reactivity data

Stability: Stable under ordinary conditions of use and storage. Prolonged or excessive heat and/or exposure to air may cause decomposition or oxidation.
Hazardous Decomposition Products: CO, CO₂.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizing agents, acids & bases.
Conditions to avoid: Heat, flame & other ignition source.

Toxicological information

Oral rat LD₅₀: 5170 mg/kg.

Ecological information

Environmental Fate: The Koc is be estimated to be 67. This Koc value suggests that alpha-terpineol has high mobility in soil and may leach.

Disposal considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

Transport Information

Not regulated.

Regulatory Information

Safety Phrases: S24/25, avoid contact with skin & eyes.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the data of its publication. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.