



Section 1 - Chemical Product and Company Identification

MSDS Name: TERPINEOL, PERFUMERY

Company Identification: FUZHOU FARWELL IMPORT & EXPORT CO., LTD.

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Code: 350001

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
98-55-5	p-1-Menthen-8-ol	96%	

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. The toxicological properties of this material have not been fully investigated.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause kidney failure. May cause hemorrhaging of the digestive tract. Aspiration of material into the lungs may cause pneumonia, which may be fatal.



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Inhalation: Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation.

Section 4 - First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin:

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:

Do NOT induce vomiting. If victim is conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of flash back. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Extinguishing:

For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:



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Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition.

Section 7 - Handling and Storage

Handling:

Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation.

Storage:

Keep away from heat, sparks, and flame. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from strong acids.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low. Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Colorless liquid
Boiling Range: 214~224 °C, ≥96%



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Specific Density at 20°C:	0.930~0.936
Refractive Index at 20°C:	1.4825~1.4850
Optical Rotation:	-0°10'~ +0°10'
Congeaing Ioint:	Minimum 2°C
Molecular Formula:	C ₁₀ H ₁₈ O
Molecular Weight:	154.25
Flash Point:	92°C

Section 10 - Stability and Reactivity

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials, ignition sources, excess heat.

Incompatibilities with Other Materials:

Strong oxidizing agents, acids.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide.

RTECS#: CAS# 98-55-5: WZ6700000

LD50/LC50:

CAS# 98-55-5: Oral, mouse: LD₅₀ 4.3g/kg, the skin experiment on rabbit:

LD₅₀ 3g/kg.

Carcinogenicity:

alpha-Terpineol -Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Other: See actual entry in RTECS for complete information.

Section 11 - Ecological Information

Environmental Fate:

The Koc is being estimated to be 67.It suggests that lpha-Terpineol has high mobility in soil and may leach.

Environmental Toxicity:

No information found.



Section 12 - Disposal Considerations

No information found.

Section 13 - Transport Information

No information found.

Section 14 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available.

Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases: S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 98-55-5: No information available.

United Kingdom Occupational Exposure Limits

Canada

CAS# 98-55-5 is listed on Canada's DSL List.

CAS# 98-55-5 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 98-55-5 is listed on the TSCA inventory.

Section 15 - Additional Information

MSDS Creation Date: 01/03/2008

Revision #0 Date: Original.



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Export Co.,Ltd**

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.
