

Material Safety Data Sheet



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FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week
Outside the United States call collect 1-352-323-3500

Date Reviewed: May 19, 2008

Q-Form 10-111, Rev. D

1. Chemical Identification

Common Name: U/P Root Canal Liquid

Ref #: 11435 (1/8 oz.)

Ref #: 11437 (1/2 oz.)

Ref #: 11438 (2 oz.)

Chemical Name: 4-Allyl-2-Methoxy Phenol

Chemical Family: Substituted Phenol

Molecular Formula: C₁₀H₁₂O₂

Synonyms: Eugenol

2. Composition/Information on Ingredients

Eugenol: CAS # 97-53-0

Contains no other Hazardous ingredients

3. Hazards Identification

This material is an aromatic chemical. Liquid may irritate eyes and skin or cause dermatitis.

4. First Aid Measures

Eye Contact: Wash eyes by normal first aid methods.

Skin Contact: Wash with soap and cold water.

Inhalation: Remove person to well ventilated area and follow normal first aid procedures.

Ingestion: See a physician.

5. Fire Fighting Measures

Flash Point and Method: 252°F (Closed cup method)

Extinguishing Media: Dry chemicals, foam, carbon dioxide

Special Fire Fighting Procedures: Cool containers exposed to flame with water.

Unusual Fire and Explosion Hazards: None, material is not pyrophoric.

6. Accidental Release Measures

Keep ignition sources isolated from the spill. Large spills: Wear appropriate respirator and protective clothing. Recover free liquid by pumping into a suitable container. Soak up the remains with absorbents. Ventilate the enclosed area. Small spills: Take up with an absorbent material and place in non-leaking containers. Ventilate the enclosed areas.

7. Handling and Storage

Store in tightly sealed containers in cool dry area. Do not expose to temperatures above 35°C.

8. Exposure Controls/Personal Protection

Respiratory: Avoid casual breathing

Ventilation: Local exhaust (explosion proof)

Eye: Use OSHA approved safety glasses

Skin: Protective gloves

9. Physical and Chemical Properties

Appearance: Colorless to pale yellow liquid, pungent, spicy odor

Solubility in Water: Insoluble

Boiling Point (°C): 255°C

Melting Point: NA

Vapor Pressure 0.009 mmHg at 20°C

Specific Gravity (@ 20C, H₂O = 1): 1.065/25°C

10. Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Carbon Monoxide in case of incomplete combustion.

Conditions to Avoid: Excessive heat

11. Toxicological Information:

Eugenol – LD50 Orally in rats, 2680 mg/kg

12. Ecological Information

Data not available

13. Disposal Considerations:

All local, state and federal regulations concerning health and pollution should be reviewed to determine approved disposal procedure.

14. Transit Information

Not DOT, IMDG, or IATA Regulated

15. Regulatory Information

None, this mixture contains no toxic chemicals.

16. Other Information:

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