

MATERIAL SAFETY DATA SHEET: EUGENOL & EUGENOL-BASED PRODUCTS

IDENTITY:

Trade Name:

Root Canal Sealer Liquid
Eugenol

Code:

RSL, RSL-2
E-02, E-04, E-16

Chemical Description: 2-Methoxy-4-(2-propenyl) phenol
Product use: Dental cement component

SECTION I

Pulpdent Corporation

80 Oakland Street

Watertown, MA 02472 USA

Phone Numbers:

24 Hour Emergency: 1-800-535-5053

Customer Service: 1-800-343-4342 / 1-617-926-6666

Date prepared: September 1, 2008

SECTION II - HAZARDOUS INGREDIENTS

Ingredients

CAS Number

PEL/TLV

2-Methoxy-4-(2-propenyl) phenol

97-53-0

Not established

DOT HAZARD CLASSIFICATION: Non-hazardous

WHMIS CLASSIFICATION: D-2 (Irritation possible)

NFPA HMIS RATING: HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 253°C

Specific Gravity: 1.067

Vapor Pressure: 0.01

Melting Point: -7.5°C

Vapor Density: >1.0

Solubility in water: Negligible

Odor Threshold: Not available

Appearance and Odor: Slightly yellow, oily liquid with clove odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: > 93°C (Closed Cup)

Flammable limits: Not established

Extinguishing Media: Water, foam, CO₂ and dry chemical.

Special Fire Fighting Procedures: Use standard procedures.

Hazardous Combustion Products: Burning liberates carbon monoxide, carbon dioxide and smoke.

SECTION V - REACTIVITY DATA

Stability: Stable, even at elevated temperatures.

Conditions to avoid: None

Incompatibility: Avoid strong oxidizing agents.

Hazardous Decomposition Products: None

Hazardous Polymerization: Does not occur

Conditions to avoid: None

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SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard. May be irritating to skin or eyes.

<i>Route of Exposure</i>	<i>Signs & Symptoms</i>
Inhalation	None
Eye Contact	May be irritating.
Skin absorption	Not applicable
Skin Contact	May be irritating. Prolonged or repeated contact may cause allergic dermatitis.
Ingestion	May be irritating to mucous membranes. LD ₅₀ (oral rat): 2g / kg

Summary of Chronic Hazards: Prolonged/repeated skin contact may cause allergic dermatitis. Repeated ingestion of large amounts may cause liver damage.

Carcinogenicity	Not a carcinogen
Teratogenicity	None known
Mutagenicity	None known
Reproductive Toxicity	None known

Emergency First Aid Procedures:

Inhalation	Not applicable
Eye contact	Irrigate with water for 15+ minutes; seek medical care for persistent irritation.
Ingestion	Rinse mouth with water. Give milk or water to dilute. Seek emergency medical attention.
Skin contact	Remove contaminated clothes. Wash affected area with soap and water. If irritation persists, seek medical advice.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Keep away from heat and flame. Keep container closed when not in use. Use with adequate ventilation.

Steps to Be Taken if Material is Released or Spilled: Small spills can be wiped up with cloth, paper, or standard absorbents (sand, sawdust, vermiculite, etc.) and placed in covered container. Wash area of spill.

Waste Disposal Method: Dispose of waste according to government regulations.

Other Precautions: Use good laboratory hygiene, i.e., no eating, drinking or smoking during use.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: None required.

Ventilation: No special ventilation recommended under anticipated conditions of normal use.

Protective Gloves: Oil resistant gloves recommended.

Eye Protection: Splash-resistant safety glasses

Other Protective Clothing or Equipment: Emergency eye wash fountain should be close by and maintained.

Work/Hygienic Practices: Wash hands after use.

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