

MATERIAL SAFETY DATA SHEET: PULPDENT DENTIN DESENSITIZER

IDENTITY Trade Name: *PULPDENT DENTIN DESENSITIZER*
 Chemical Description: 5% aqueous solution of glutaraldehyde (1, 5-Pentanedial)
 Product Use: Dental material

SECTION I

Pulpdent Corporation *Phone Numbers:*
80 Oakland Street 24 Hour Emergency: 1-800-535-5053
Watertown, MA 02472 USA Customer Service: 1-800-343-4342 / 1-617-926-6666
Date Prepared: September 1, 2008

SECTION II - HAZARDOUS INGREDIENTS

<i>Ingredients</i>	<i>CAS RN</i>	<i>%</i>	<i>TLV</i>
Glutaraldehyde (1, 5-Pentanedial)	111-30-8	5	0.2 ppm

DOT HAZARD CLASSIFICATION: Not regulated.
WHMIS CLASSIFICATION: D-1: Toxic; D-2: Possible mutagen. Irritating. Possible sensitizer.
NFPA HMIS RATING: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 101° C Specific Gravity: 1.016
Melting Point: -6° C Vapor Density: 3.5 g/L
Solubility in water: Soluble Odor Threshold: 0.04 ppm
Appearance and Odor: Liquid with characteristic odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not flammable
Extinguishing Media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide.
Unusual Fire & Explosion Hazards: Emits toxic fumes under fire conditions.

SECTION V - REACTIVITY DATA

Stability: Stable Conditions to avoid: May discolor on exposure to air.
Incompatibility: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Moderate health hazard in the dilution presented in this product. Material should be handled with care and only by dental professionals.

<i>Route of Exposure</i>	<i>Signs & Symptoms</i>
Inhalation	May be irritating or toxic.
Eye Contact	Risk of serious damage to eyes on contact.
Skin Absorption	Harmful in contact with skin.
Skin Contact	Harmful in contact with skin. Irritating.
Ingestion	Toxic if swallowed.

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Summary of Chronic Health Hazards: May cause sensitization by skin contact. Possible risk of irreversible damage.

Carcinogenicity: No evidence of carcinogenicity.

Teratogenicity, Reproductive Toxicity, Mutagenicity: Possible mutagen; target organs: central nervous system, heart.

Emergency First Aid Procedures:

Inhalation	Remove to fresh air. Give artificial respiration and/or oxygen as appropriate. Seek immediate medical care.
Eye Contact	Flush with running water for 15+ minutes, separating eyelids with fingers. Seek immediate medical care.
Ingestion	If conscious, have person rinse mouth with water. Seek immediate medical care.
Skin Contact	Flush with running water for 15+ minutes. Remove contaminated clothing and shoes. Seek medical care.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Read MSDS and Instructions for Use before handling. Wear safety glasses, gloves and lab coat. Use only if emergency eye wash fountain and shower are nearby. Keep tightly closed in original container. Store in a cool, dry place.

Release or Spill: For small quantities: Wear rubber gloves, safety glasses and lab coat. Absorb with paper towels or sand. Place in closed container for disposal. Ventilate area and wash spill site.

Waste Disposal Method: Follow all government regulations.

Other Precautions: Wash contaminated clothing before reuse. Wash hands thoroughly after use. Do not breathe vapor. Avoid prolonged or repeated exposure

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not required during the brief exposure of normal use in dental practice.

Ventilation: No special ventilation required under normal conditions of use. For large quantities /prolonged exposure, use enclosure, local ventilation and dilution to reduce concentration below TLV.

Protective Gloves: Chemically impervious gloves are recommended.

Eye Protection: Safety glasses / Chemical safety goggles are strongly recommended at all times.

Protective Equipment: Emergency eye wash fountain and shower should be maintained

Hygienic Practices: Wash hands after use.

The information presented herein is believed to be factual as it has been derived from the works of persons believed to be qualified experts. However, nothing contained in this information is to be taken as a warranty or representation for which Pulpdent Corporation bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.