

MATERIAL SAFETY DATA SHEET: DRY-RITE / SILANE**IDENTITY:****Trade Name:**Dry-Rite, Pulpdent Drying Agent
Silane Bonding Agent**CODE:**DRY, DRY-1
SIL, SIL-3

Chemical Description: Ethyl Alcohol preparation with other organic solvents

Product Use: Dental material

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

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SECTION II - HAZARDOUS INGREDIENTS

<i>Ingredients</i>	<i>CAS RN</i>	<i>PEL/TLV</i>	<i>UN Number</i>
Denatured Ethyl alcohol	64-17-5	1000 ppm	UN 1170
Acetone (denaturant)	67-64-1	TWA: 750 ppm / STEL: 1000 ppm	UN 1090

DOT HAZARD CLASSIFICATION: Class 3 / Flammable liquid

WHMIS CLASSIFICATION: B-2 Flammable liquid

NFPA HMIS RATING: HEALTH: 0 FLAMMABILITY: 3 REACTIVITY: 0

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 173°F / 78.3°C

Specific Gravity: 0.795

Vapor Pressure: 44.6

Melting Point: -173°F / -114°C

Vapor Density: 1.59

Solubility in water: Complete

Odor Threshold: 159 ppm

Odor: Characteristic, ethanol

Appearance: Clear or pink liquid

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

WARNING! FLAMMABLE. Keep away from heat, sparks, flame, and all other ignition sources. Vapor may form flammable mixtures with air.

Flash Point: 43°F / 6°C (Tag closed cup); Autoignition Temp: 423°C; Flammable limits: LEL: 3.3; UEL: 19

Hazardous Combustion Products: Carbon monoxide and/or carbon dioxide from incomplete combustion.

Extinguishing Media: Use dry chemical, alcohol foam, or carbon dioxide. Water may be ineffective, but should be used to keep fire-exposed containers cool.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus with full face piece, in the positive pressure mode, to prevent exposure to smoke, fumes, or hazardous decomposition products. If a leak or spill has not ignited, use water spray to disperse vapors and protect personnel attempting to stop a leak. Water spray may be used to flush spills away from exposures and to dilute spills to nonflammable mixtures.

Unusual Fire & Explosion Hazards: Vapor may form flammable mixtures with air.

SECTION V - REACTIVITY DATA

Stability: Generally stable.

Conditions to avoid: Heat, flame, sparks.

Incompatibility: Acetyl chloride and a wide range of oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from incomplete combustion.

Hazardous Polymerization: None.

Conditions to avoid: None

SECTION VI - HEALTH HAZARD DATA**Summary of Acute Hazards:** Minimal health hazard under normal conditions of use. For large quantities and with prolonged exposure, ethyl alcohol is considered a moderate health hazard.

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<i>Route of Exposure</i>	<i>Signs & Symptoms</i>
Inhalation	None under normal conditions of use. Exposure > 1000 ppm may cause irritation, headache, drowsiness, lassitude, loss of appetite.
Eye Contact	Liquid or vapor may cause irritation.
Skin absorption	No effect under normal conditions of use. Large quantities and/or prolonged contact may cause symptoms similar to inhalation or ingestion
Skin Contact	May cause irritation, drying and defatting of skin on prolonged contact.
Ingestion	None under normal conditions of use. Large quantities may cause central nervous system depression, nausea, vomiting, diarrhea.

Summary of Chronic Health Hazards: None under normal conditions of use. Large quantities ingested over a prolonged period may be carcinogenic or a cause of Fetal Alcohol Syndrome.

Carcinogenicity	Not a carcinogen under normal conditions of use. The IARC has reported a relationship between repeated drinking of significant quantities of alcoholic beverages and cancer of the oral cavity, pharynx, esophagus and liver.
Teratogenicity, Reproductive Toxicity, Mutagenicity	Ingestion of alcohol by pregnant women is associated with Fetal Alcohol Syndrome in their offspring.

Emergency First Aid Procedures:

Inhalation	Remove to fresh air. If victim has stopped breathing, give artificial respiration. Call for immediate medical care.
Eye contact	Flush immediately with running water for 15+ minutes. Seek medical care.
Ingestion	Large quantities: Give water/milk to dilute but only if victim is conscious and able to swallow. Call a physician or Poison Control Center immediately. Induce vomiting only on their advice.
Skin contact	Immediately flush with cool water. Seek medical care for persistent irritation.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: Keep tightly closed, in a well-ventilated area, away from heat, sparks, direct sunlight, and oxidizing agents. Protect container against physical damage. Take these same precautions when container is emptied, as residual product is hazardous.

Release or Spill: Wear protective gloves and safety glasses. Wipe up with absorbent material, such as paper or cloth towels. Rinse area of spill with water. Place all absorbent material in closed container away from heat, sparks, sun and oxidizers.

Waste Disposal Method: Follow all government regulations. Other Precautions: Wash hands after use.

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Not necessary under normal conditions of use.

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

Protective Gloves: Chemically impervious gloves are recommended.

Eye Protection: Safety glasses or chemical safety goggles are recommended at all times.

Protective Equipment: Emergency eye wash fountain should be maintained.

Work / Hygienic Practices: Wash hands after use.

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