

Dry-Rite Drying Agent Silane Bond Enhancer

Material Safety Data Sheet

Trade Name: [Dry-Rite](#) | [Silane Bond Enhancer](#)

Code: DRY, DRY-1, SIL, SIL-3

Chemical Description: Ethyl Alcohol preparation with other organic solvents

Product Use: Dental material

SECTION I

Pulpdent Corporation

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Phone Numbers:

24 Hr. Emergency: 1-800-535-5053
Customer Service: 1-800-343-4342/1-617-926-6666

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS RN	%	PEL/TLV
Ethyl alcohol	64-17-5	92.6	1000 ppm
Acetone	67-64-1	7.4	TWA: 750 ppm
STEL	71-43-2		1000 ppm
Benzene			<0.15 ppm TWA: 1 ppm STEL: 5 ppm TWA: 10 ppm

DOT HAZARD CLASSIFICATION: Class 3 / Flammable liquid / UN1170

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 Hg
Melting Point: -173°F / -114°C	Vapor Density: 1.59	Evaporation Rate: Not known
Solubility in water: Complete	Odor Threshold: 159 ppm	

Appearance and Odor: Clear or pink liquid with characteristic alcohol odor.

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 Temperature:** 423°C

Flammable limits: LEL 3.3 UEL 19

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: 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.

Hazardous Combustion Products / Unusual Fire and Explosion Hazards: Incomplete combustion may produce carbon monoxide and/or carbon dioxide.

Unusual Fire and Explosion Hazards: Firefighters should wear self-contained breathing apparatus in the positive pressure mode with a full face piece when there is a possibility of exposure to smoke, fumes, or hazardous decomposition products.

SECTION V - REACTIVITY DATA

Stability: Generally stable. .

Conditions to avoid: Heat, flame, sparks.

Incompatibility: Avoid acetyl chloride and a wide range of oxidizing agents which may react violently with this material.

Hazardous Decomposition Products: Incomplete combustion may produce carbon monoxide and/or carbon dioxide.

Hazardous Polymerization: None.

Conditions to avoid: None.

SECTION VI - HEALTH HAZARD DATA

Summary of Acute Hazards: Minimal health hazard in normal use and in the quantities present in this product. For larger quantities and with prolonged exposure, ethyl alcohol is considered a moderate health hazard.

Route of Exposure

Inhalation:

Eye Contact:

Skin Absorption:

Skin Contact:

Ingestion:

Signs & Symptoms

Minimal health hazard in normal use and in the quantities present in this product. For larger quantities and with prolonged exposure, ethyl alcohol is considered a moderate health hazard.

Liquid or vapor may cause irritation.

None in normal conditions of use. However, for large quantities and prolonged contact, similar symptoms to inhalation/ ingestion may occur.

May be irritating upon repeated or prolonged contact.

None in small quantities of normal conditions of use. For large quantities, may cause depression of the central nervous system, nausea, vomiting, diarrhea.

Summary of Chronic Hazards:

Not a chronic health hazard under the normal conditions of use. However, if ingested in large quantities for a prolonged period of time, 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 prolonged drinking of significant quantities of alcoholic beverages and cancer of the oral cavity, pharynx esophagus and liver.

Teratogenicity:

Ingestion of alcohol by pregnant women is associated with Fetal Alcohol Syndrome in offspring

Mutagenicity:

Reproductive Toxicity:

Emergency First Aid Procedures:

Inhalation: Remove to fresh air. If victim has stopped breathing, give artificial respiration. Get immediate medical attention.

Eye contact: Flush immediately with water for at least 15 minutes. Seek medical attention.

Ingestion: For large quantities: if victim is conscious and able to swallow, have victim drink water or milk to dilute. Never give anything by mouth to an unconscious or convulsing person. Call a physician or Poison Control Center immediately. Induce vomiting only on their advice.

Skin contact: Immediately flush affected area with plenty of cool water. Get medical attention if irritation persists.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING & USE

Handling and Storage Precautions: For small quantities (as in this product): 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.

Steps to Be Taken if Material is Released or Spilled: For small quantities (as in this product): Wear gloves and safety glasses. Pick up with absorbent material, such as paper

or cloth. Rinse area of spill with water. Place all 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. However, for large quantities and prolonged exposure, methods such as enclosure, local ventilation and dilution are recommended to reduce concentration below TLV.

Protective Gloves: Chemically impervious gloves are recommended.

Eye Protection: Safety glasses are recommended when no eye contact is anticipated. Chemical safety goggles should be worn whenever there is possibility of splashing or other contact with eyes.

Other Protective Clothing or Equipment: Emergency eye wash fountain.

Work/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.

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