

# **Material Safety Data Sheet**

## **Enamel Pro® Varnish**

### **Varnish, 5% Sodium Fluoride**

MSDS, Rev. 1

Last revised: 05-October -2006

Approved for Use: 05-October -2006

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#### **1. Chemical product and company identification**

**Product Name:** Enamel Pro® Varnish  
Varnish, 5% Sodium Fluoride

**Company Name:** Premier Dental Products Company  
1710 Romano Drive  
Plymouth Meeting, PA 19462 USA  
Tel: 610-239-6000  
Fax: 610-239-6171  
Emergency Tel: 610-239-6000

#### **2. Composition/Information on Ingredients**

##### **Hazardous ingredients:**

<b>Chemical Name:</b>	<b>CAS Number:</b>	<b>EINECS</b>	<b>Classification Content</b>
Rosin	8050-09-7	232-475-7	[Sens.] R43
Ethanol	64-17-5	200-578-6	[F] R11
Sodium Fluoride	7681-49-4	231-667-8	[T] R25, [-] R32, [Xi] R36/38
Dibasic Sodium Phosphate			[Xi] R36/38
Calcium Sulfate Dihydrate	10101-41-4		[Xi] R36/37/38

#### **3. Hazards Identification**

**Main hazards:** Harmful if swallowed. Contact with acids liberates very toxic gas.  
Irritating to eyes and skin. Maybe cause sensitization by skin contact.

#### **4. First-Aid Measures**

##### **Symptoms:**

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

##### **Action:**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water.

**Inhalation:** Consult a doctor.

## 5. Fire-Fighting Measures

<b>Extinguishing media:</b>	Suitable extinguishing media for the surrounding fire should be used. Use water-spray to cool containers.
<b>Exposure hazards:</b>	In combustion, emits toxic fumes.
<b>Protection of fire-fighters:</b>	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. Accidental Release Measures

<b>Personal precautions:</b>	Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.
<b>Environmental precautions:</b>	Do not discharge into drains or rivers. Contain the spillage using bunding.
<b>Clean-up procedures:</b>	Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method.

## 7. Handling and Storage

<b>Storage conditions:</b>	Store in cool, well ventilated area. Keep container tightly closed.
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## 8. Exposure Controls / Personal Protection

<b>Hazardous ingredients:</b>	ETHANOL TWA 1920 mg/m <sup>3</sup>
<b>Respiratory protection:</b>	Respiratory protection not required
<b>Hand protection:</b>	Protective gloves
<b>Eye protection:</b>	Safety glasses. Ensure eye bath is at hand.
<b>Skin Protection:</b>	Protective clothing

## 9. Physical and Chemical Properties

<b>Physical state:</b>	Liquid
<b>Color:</b>	Off-white
<b>Odor:</b>	Sweet-smelling
<b>Evaporation rate:</b>	Slow
<b>Also soluble in:</b>	Ethanol

## 10. Stability and Reactivity

<b>Stability:</b>	Stable under normal conditions
<b>Conditions to avoid:</b>	Heat
<b>Materials to avoid:</b>	Strong oxidizing agents. Strong acids
<b>Haz. decomp. products:</b>	In combustion, emits toxic fumes

## 11. Toxicological Information

### Hazardous ingredients:

- Ethanol  
IVN RAT LD50 1440mg/kg  
ORL MUS LD50 3450 mg/kg  
ORL RAT LD50 7060mg/kg
- Sodium Fluoride  
ORL MUS LD50 57mg/kg  
ORL RAT LD50 52mg/kg  
SCU RAT LD50 175mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. Ecological Information

**Mobility:** Readily absorbed into soil  
**Persistence & degradability:** Biodegradable  
**Bioaccumulative potential:** No bioaccumulation potential  
**Other adverse effects:** Negligible ecotoxicity

## 13. Disposal Considerations

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. Transport Information:

**ADR/RID:**

**UN no:** --

**ICAO/IATA:**

**IMO/IMDG:**

## 15. Regulatory Information:

**Hazard symbols:** Harmful



**Risk Phrases:** R22: Harmful if swallowed.  
R32: Contact with acids liberates very toxic gas.  
R36/38: Irritating to eyes and skin.  
R43: May cause sensitization by skin contact.

**Safety Phrases:** S24: Avoid contact with skin.  
S37: Wear suitable gloves.

**Precautionary Phrases:** Restricted to professional users.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which

complete these regulations. Refer to all applicable national, international and local regulations or provisions.

#### **16. Other Information**

**Risk phrases used in s.2:**

R43:	May cause sensitization by skin contact.
R11:	Highly flammable.
R25:	Toxic if swallowed.
R32:	Contact with acids liberates very toxic gas.
R36/38:	Irritating to eyes and skin.
R36/37/38:	Irritating to eyes, respiratory system and skin.

**Legal Disclaimer:** The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from the handling or from contact with the above product.

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