

# Safety Data Sheet

## FluoriMax 2.5% NaF Varnish

### Section 1 - Chemical Product and Company Identification

**Product Name:** FluoriMax 2.5% Sodium Fluoride Varnish  
**Synonyms:** Fluoride varnish, varnish  
**Company Identification:** Elevate Oral Care  
 346 Pike Rd Suite 5  
 West Palm Beach, FL 33411  
**For information, call:** 877-866-9113  
**Emergency Number:** 877-866-9113 or poison control.  
**Product Use:** Dental, for use as a Fluoride Varnish  
**Limitations:** For use by Dental Professionals

### Section 2 - Composition, Information on Ingredients

CAS #	Ingredient	Percentage
9000-59-3	Dewaxed Flake Shellac	>25
57-55-6	Propylene Glycol	<20
64-17-5	Ethyl Alcohol	<50
7681-49-4	Sodium Fluoride	2.5
Unknown	Flavorings	<10
87-99-0, 56038-13	Sweeteners (Xylitol, Sucralose)	<4
N/A	Hydroxyapatite	<1

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

**Appearance:** Amber transparent liquid with flavored odor  
**Physical Form (General & Specific):** Liquid  
**Immediate Health, Physical and Environmental Hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode.

#### POTENTIAL HEALTH EFFECTS

**Eye Contact:**  
 Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.



**Skin Contact:**

Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation:**

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

*Prolonged or repeated exposure may cause:*

Respiratory Effects: Signs/symptoms may include cough, shortness of breath, chest tightness, wheezing, increased heart rate, bluish colored skin (cyanosis), sputum production, changes in lung function tests, and/or respiratory failure. May be absorbed following inhalation and cause target organ effects.

**Ingestion:**

May be harmful if swallowed.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Contains a chemical which can cause birth defects or other reproductive harm.

NOTE: This product contains ethanol. There are data associating human consumption of alcoholic beverages (ethanol) with developmental toxicity. This is not an expected effect during the foreseeable use of this product.

**Carcinogenicity:**

Contains a chemical or chemicals which can cause cancer.

NOTE: This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified as human carcinogens by the International Agency for Research on Cancer, the U.S. National Toxicology Program, and the California Environmental Protection Agency (for purposes of Proposition 65). Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer.

<b>Ingredient</b>	<b>C.A.S. No.</b>	<b>Class Description</b>	<b>Regulation</b>
ETHYL ALCOHOL	64-17-5	Grp. 1: Carcinogenic to humans	IARC

## Section 4 - First Aid Measures

**FIRST AID PROCEDURES**

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention if needed. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting, give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

## Section 5 - Fire Fighting Measures

**EXTINGUISHING MEDIA**

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

**PROTECTION OF FIRE FIGHTERS**



**Special Fire Fighting Procedures:** Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode.

## Section 6 - Accidental Release Measures

### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Cover, but do not seal for 48 hours.

### **ENVIRONMENTAL PRECAUTIONS**

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a metal container approved for use in transportation by appropriate authorities. The container must be lined with polyethylene plastic or contain a plastic drum liner made of polyethylene.

#### **Clean-up methods**

Observe precautions from other sections. Determine if spill qualifies for local, state or federal reporting.

## Section 7 - Handling and Storage

### **HANDLING**

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. Avoid breathing of vapors, mists or spray. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment. Avoid eye contact. Avoid prolonged or repeated skin contact. Wash hands after handling and before eating.

### **STORAGE**

Store in a cool dry place away from acids, heat, and oxidizing agents.

## Section 8 - Exposure Controls, Personal Protection

### **ENGINEERING CONTROLS**

Use with appropriate local exhaust ventilation, or in a well-ventilated area.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

#### **Eye/Face Protection**

Avoid eye contact. The following eye protection is recommended: Safety Glasses

#### **Skin Protection**

Avoid prolonged or repeated skin contact. Gloves not normally required.



### Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection. Avoid breathing vapors, mists or spray.

### Prevention of Swallowing

Do not ingest. Wash hands after handling and before eating.

### EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
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No exposure standards have been established for this material, however, the Occupational Safety & Health Administration (OSHA) exposure standards for ethanol are as follows:

ETHYL ALCOHOL	OSHA	TWA	1900 mg/m <sup>3</sup>	
FLUORIDES	OSHA	TWA, as F	2.5 mg/m <sup>3</sup>	

## Section 9 - Physical and Chemical Properties

<b>Odor, Color, Grade:</b>	Amber liquid flavoring/aroma
<b>Physical Form:</b>	Liquid
<b>Autoignition temperature</b>	<i>No Data Available</i>
<b>Flash Point</b>	<i>No Data Available</i>
<b>Flammable Limits(LEL)</b>	<i>No Data Available</i>
<b>Flammable Limits(UEL)</b>	<i>No Data Available</i>
<b>Boiling Point</b>	<i>No Data Available</i>
<b>Density</b>	<i>No Data Available</i>
<b>Vapor Density</b>	<i>Not Applicable</i>
<b>Vapor Pressure</b>	<i>Not Applicable</i>
<b>Specific Gravity</b>	<i>No Data Available</i>
<b>pH</b>	<i>Not Applicable</i>
<b>Melting point</b>	<i>Not Applicable</i>
<b>Solubility in Water</b>	<i>No Data Available</i>
<b>Also Soluble in</b>	<i>No Data Available</i>
<b>Evaporation rate</b>	<i>No Data Available</i>
<b>Kow - Oct/Water partition coef</b>	<i>Not Applicable</i>
<b>Viscosity</b>	<i>No Data Available</i>

## Section 10 - Stability and Reactivity

**Stability:** Stable.

**Materials and Conditions to Avoid:**

### CONDITIONS TO AVOID

Heat

### MATERIALS TO AVOID

Strong oxidizing agents, Strong acids



**Hazardous Polymerization:** Hazardous polymerization will not occur.

### Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	During Combustion
Carbon dioxide	During Combustion

## Section 11 - Toxicological Information

<b>Hazardous ingredients:</b>	ETHANOL IVN RAT LD50 1440 mg/kg ORL MUS LD50 3450 mg/kg ORL RAT LD50 7060 mg/kg
	SODIUM FLUORIDE ORL MUS LD50 57 mg/kg ORL RAT LD50 52 mg/kg SCU RAT LD50 175 mg/kg

## Section 12 - Ecological Information

**Ecotoxicity:** Not Determined  
**Chemical Fate:** Not Determined  
**Physical:** No information available  
**Other:** No information available  
**Mobility:** Readily absorbed into soil  
**Persistence and degradability:** Biodegradable  
**Bioaccumulative potential:** No bioaccumulation potential

## Section 13 - Disposal Considerations

**Waste Disposal Method:** Incinerate uncured product in a permitted hazardous waste incinerator.  
As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

Follow local, regional, state and national guidelines.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14 - Transport Information



	US DOT
Shipping Name:	FLAMMBLE LIQUID, N.O.S.
Hazard Class:	3
UN Number:	1993
Packing Group:	II

Meets 49 CFR 173.150 (g)1.i requirements for Exceptions for Class 3 (flammable and combustible liquids).

## Section 15 - Regulatory Information

### US FEDERAL

#### TSCA

CAS# 64-17-5 is listed on the TSCA inventory.

#### SARA Codes

CAS # 64-17-5: acute, chronic, flammable.

#### 311/312 Hazard Categories:

Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

### STATE

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

#### California Prop 65

WARNING: This product contains Ethanol, a chemical known to the state of California to cause developmental reproductive toxicity.

California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

##### Hazard Symbols:

F

##### Risk Phrases:

R 11 Highly flammable

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:

S 16 Keep away from sources of ignition - No smoking.

S 7 Keep container tightly closed.

S24 Avoid contact with skin

S37 Wear suitable gloves

#### WGK (Water Danger/Protection)



CAS# 64-17-5: 0

## Section 16 - Additional Information

**MSDS Creation Date:** 01/04/2013

**Revision #1 Date:** 02/05/14

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Elevate Oral Care be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Elevate Oral Care has been advised of the possibility of such damages.*