Material Safety Data Sheet Cavity Varnish w/ Fluoride

Section 1 – Identification

Product Name: **Cavity Varnish w/ Stannous Fluoride**

Active Ingredient: Potassium Fluoride & Stannous Fluoride

Manufacturer: Deepak Products LLC.
5220 N.W. 72nd Avenue Miami, FL 33166

Information Contacts: (305)-482-9669
Toll Free: 1-877-8-DEEPAK

Emergency Phone Numbers: US & Canada 1 (877) 8–DEEPAK

Family: Medicaments (Desensitizer)
Product Use: Professional Dental Varnish

Product #: 06-00377

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- **Extremely Flammable** – keep container closed and avoid static discharge
- Vapors may cause drowsiness or dizziness.
- Toxic if large quantities are swallowed or inhaled.
- Potentially irritating to eyes and respiratory system
- Please read entire MSDS for additional information.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry	Inhalation, skin, and ingestion.
Eye	Splashes or close proximity to vapors may cause redness of the eye.
Skin	Repeated/prolonged contact may cause dryness or cracking of the skin. Possible irritation will take place.
Ingestion	Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms include irritation of the throat, nausea, dizziness, and upset stomach, possibly organ (liver) damage.
Inhalation	Inhaling vapors may cause drowsiness or dizziness. Irritation to respiratory tract may occur if prolong exposure to vapors take place.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Ethanol	64-17-5	200-578-6	Alcohol	TWA = 1000 ppm or 1900 mg/ m^3	TWA = 1880 mg/ m^3	No/No/Yes	50-75
Ethyl Ether	60-29-7	200-467-2	Ethyl Ether	TWA = 400 ppm or 1200 mg/ m^3	TWA = 400 ppm STEL = 500 ppm	Not Listed	13-30
Potassium Fluoride	7789-23-3	232-151-5	Potassium Fluoride	TWA = 2.5 mg/ m^3	TWA = 2.5 mg/ m^3	Not Listed	0-3
Stannous Fluoride	7783-47-3	231-999-3	Stannous Fluoride	TWA = 2.5 mg/ m^3	TWA = 2.5 mg/ m^3	Not Listed	0-3

N/E – None Established
N/R – Not Reviewed
N/DA – No Data Available
N/A – Not Applicable

(items in parenthesis relate to 1999/45/EC)

Ethanol: Danger Symbol – GHS02 (F) Hazard Statement – H225 (R11) Precautionary Statement – P102 (S1/2), P404 (S7), P210 (S16)

Ethyl Ether: Danger Symbol – GHS02 (F), GHS07 (Xn) Hazard Statement – H224 (R12), EUH019 (R19), H302 (R22), EUH066 (R66), H336 (R67) Precautionary Statement – P102 (S2), P403 (S9), P210 (S16), P280 (S36/37/39), P273 (S29), P243 (S33)

Potassium Fluoride: Danger Symbol – GHS06 (T) Hazard Statement – H331 + H311 + H301 (R23/24/25) Precautionary Statement – P102 (S1/2), P305+334 (S26), P309+314 (S45)

Stannous Fluoride: Danger Symbol – GHS05 (C), GHS07 (Xn) Hazard Statement – H302 (R22), H313 (N/A), H315 (R38), H318 (R41) Precautionary Statements – P280 (S36/37/39), P305+351+338 (S26)

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.
First Aid for Ingestion	If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water or milk. Seek medical attention.
First Aid for Inhalation	Move to fresh air. Seek medical attention if discomfort persists.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
Around 50 °F / 10 °C	N/A	Around 685 °F / 363 °C

Method:	
Extinguishing Media:	"Alcohol" foam, Carbon dioxide, dry chemical foam
Fire Fighting Instructions:	For large fires, apply water from as far as possible. Use very large quantities of water applied as a mist or spray, solid streams of water may be ineffective. Cool all affected containers with water.
Unusual Hazards:	N/A

Section 6 – Accidental Release Measures

Spill or Release Procedures	Minor spills – Clean up immediately, avoid contact with skin and eyes. Wipe area and clean with soapy water Major spills – Clear area of personnel. Restrict access to area. Eliminate ALL ignition sources. Avoid contact with skin and eyes. Use non-sparking tools. Absorb spill with inert material, such as sand, dry lime, or soda ash, and dispose of properly. See section 8 & section 12.

Section 7 – Handling and Storage

Handling	Limit all unnecessary personal contact. Stay away from ignition sources and open flames. Avoid breathing vapors. Wear appropriate PPE.
Storage	Store in a cool , well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer.
Explosion Hazard	None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls	Mechanical exhaust is HIGHLY recommended. Safety show, eye bath, and fire equipment (spill response) should be accessible.

Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.
Eye/ Face Protection	Chemical safety glasses / goggles or splash shields are required when handling. Ensure eye bath is on hand.
Skin Protection	Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment with correct respiratory cartridge. If the respirator is the sole means of protection, use a full face supplied air respirator.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Colored Liquid	N/A	N/A	(H2O = 1): N/A	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/DA	N/DA	N/A	N/A	N/A	N/A	N/A

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Section 10 – Stability and Reactivity

Stability:
Stable

Incompatibility (Materials to Avoid):
Oxidizing agents, peroxides, alkali metals, ammonia.

Hazardous Decomposition Products:
Carbon dioxide and monoxide

Hazardous Polymerization:
Will not occur

Conditions to Avoid: Heat and incompatible materials

Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
N/DA	N/DA	N/DA	N/DA	N/ DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/ DA	N/DA	N/ DA

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/ DA	N/ DA	N/ DA	N/ DA

Chemical Fate Information

Biodegradability	N/DA. This material is not expected to significantly bio-accumulate.
Chemical Oxygen Demand	N/ DA

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	UN1170, Ethanol Solution, 3, II
Identification Number:	1170
Marine Pollutant:	No
Special Provisions:	24, IB2, T4, TP1
Emergency Response Guidebook (ERG) #:	**127**
IATA (DGR):	
Proper Shipping Name:	UN1170, Ethanol Solution (Ethyl Alcohol Solution), 3, II
Class or Division:	3
UN or ID Number:	1170
Packaging Instructions:	II
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	UN1170, Ethanol Solution (Ethyl Alcohol Solution), 3, II
Class or Division:	3
UN or ID Number:	1170
Special Provisions & Stowage/Segregation:	
Emergency Schedule (EmS)#:	**N/A**

Other Information:	**Qualifies for ORM-D consumer commodity packaging exemptions.**

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: • NONE
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: • None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: • Ethanol – CAS #64-17-5 (Flammable) • Ethyl Ether – CAS #60-29-7 (Flammable) • Potassium Fluoride – CAS #7789-23-3 (Health hazard) • Stannous Fluoride – CAS #7783-47-3 (Toxic, Irritant)
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). • None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product does contain chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List). • Ethyl Ether – CAS #60-29-7 (100 lb final RQ)
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). It's hazards are: • Ethanol – CAS #64-17-5 (Immediate Health Hazard, Fire Hazard, Chronic Health Hazard) • Ethyl Ether – CAS #60-29-7 (Fire Hazard, Acute Health Hazard, Chronic Health Hazard) • Potassium Fluoride – CAS #7789-23-3 (Immediate Hazard) • Stannous Fluoride – CAS #7783-47-3 (Acute & Chronic Health Hazard)
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: • None
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements. • Ethanol – CAS # 64-17-5 • Ethyl Ether – CAS #60-29-7 • Potassium Fluoride – CAS #7789-23-3 • Stannous Fluoride – CAS #7783-47-3 None of the chemicals in this material have a SNUR under TSCA.

State Regulations

CA Right-to-Know Law: California No Significant Risk Rule:	Ethyl Ether – CAS #60-29-7 Potassium Fluoride – CAS #7789-23-3
MA Right-to-Know Law:	Ethanol – CAS # 64-17-5 Ethyl Ether – CAS #60-29-7
NJ Right-to-Know Law:	Ethanol – CAS # 64-17-5 Ethyl Ether – CAS #60-29-7 Potassium Fluoride – CAS #7789-23-3 Stannous Fluoride – CAS #7783-47-3
PA Right-to-Know Law:	Ethanol – CAS # 64-17-5 Ethyl Ether – CAS #60-29-7 Potassium Fluoride – CAS #7789-23-3

	Stannous Fluoride – CAS #7783-47-3
FL Right-to-Know Law:	N/A
MN Right-to-Know Law:	Ethyl Ether – CAS #60-29-7 Potassium Fluoride – CAS #7789-23-3

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Ethanol – CAS # 64-17-5 Ethyl Ether – CAS #60-29-7 Potassium Fluoride – CAS #7789-23-3 Stannous Fluoride – CAS #7783-47-3

Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community:

For Cavity Varnish w/ Stannous Fluoride (finished product):

- DANGER SYMBOLS: **GHS07 (Xn) –** *Harmful / Acute Toxicity.* **GHS02 (F) –** *Flammable.* **GHS08 (n/a) –** *Health hazard (Organ Toxicity)*
- HAZARD STATEMENT: **H225 (R11). H302 (R22). H312 (R21). H320 (N/A). H332 (R20). H371 (R68/22).**
- PRECAUTIONARY STATEMENT: **P102 (S2). P210 (S15). P261 (S24). P280 (S36/37/39). P305+334 (S26). P309+314 (S45). P404 (S7). P403 (S9). P243 (S33).**

Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

(items in parenthesis relate to 1999/45/EC)

Danger Symbols:

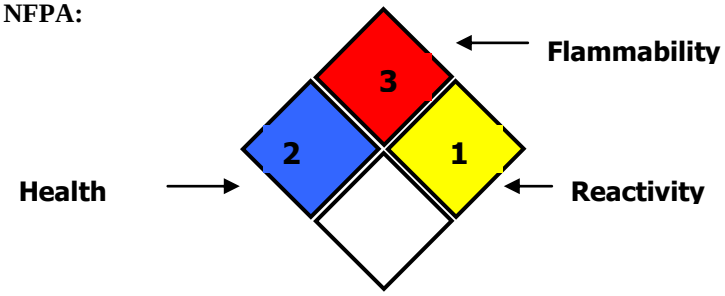
GHS02 (F) – Highly Flammable. GHS07 (Xn) – Harmful. GHS06 (T) – Toxic. GHS06 (C) - Corrosive

Hazard Statement: H224 (R12), Extremely flammable liquid and vapor. **H225 (R11),** Highly flammable liquids and vapors. **EUH019 (R19),** May form explosive peroxides. **H302 (R22),** Harmful if swallowed. **EUH066 (R66),** Repeated exposure may cause skin dryness or cracking. **H336 (R67),** May cause drowsiness or dizziness. **H331 + H311 + H301 (R23/24/25),** Toxic if inhaled or in contact with skin or swallowed. **H312 (R21),** Harmful in contact with skin. **H320 (N/A),** Causes eye irritation. **H332 (R20),** Harmful if inhaled. **H371 (R68/22),** May cause damage to organs. **H313 (N/A),** Maybe harmful in contact with skin. **H315 (R38)**, Causes skin irritation. **H318 (R41),** Causes serious eye damage.

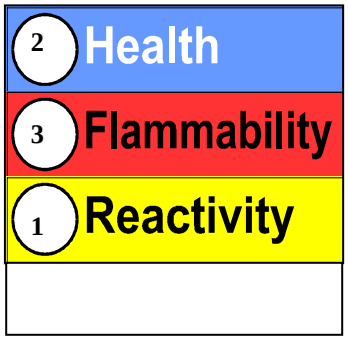
Precautionary Statement: P102 (S1 or S2), Keep out of reach of children. **P210 (S15 or S16),** Keep away from heat/sparks/open flames/hot surfaces. **P273 (S29),** Avoid release into environment. **P243 (S33),** Take precautionary measures against static discharge. **P280 (S36/37/39)**, Wear protective gloves/clothing/eye protection/face protection. **P305+334 (S26),** In case of contact with eyes, rinse immediately with water. **P309+314 (S45)**, If exposed or you feel unwell, get medical advice/attention. **P404 (S7)**, Store in a closed container. **P403 (S9)**, Store in a well ventilated place. **P261 (S24),** Avoid breathing dust/fume/gas/mist/vapors. **P305+351+338 (S26),** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Hazard Rating System (Pictograms)

NFPA:



HMIS:



MSDS Prepared by:	WME
Revision History:	02/12/11 Initial

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