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**SAFETY DATA SHEET**  
**5% SODIUM FLUORIDE VARNISH**

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Issued: 16/04/2007

Revision No: 2

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** 5% SODIUM FLUORIDE VARNISH  
**Use / description of product:** No significant hazard.  
**Company name:** Medical Products Laboratories, Inc.  
9990 Global Road  
Philadelphia  
PA  
19115  
USA  
Tel: 215-677-2700  
Fax: 215-677-7736  
Emergency tel: 215-677-2700

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous ingredients:** ROSIN 50-70%  
EINECS: 232-475-7 CAS: 8050-09-7  
[Sens.] R43  
• ETHANOL 10-30%  
EINECS: 200-578-6 CAS: 64-17-5  
[F] R11  
• SODIUM FLUORIDE 1-10%  
EINECS: 231-667-8 CAS: 7681-49-4  
[T] R25; [-] R32; [Xi] R36/38

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Harmful if swallowed. Contact with acids liberates very toxic gas. May cause sensitisation 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.

**4. FIRST AID MEASURES (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.

[cont...]

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**5. FIRE-FIGHTING MEASURES**

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

**6. ACCIDENTAL RELEASE MEASURES**

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

**7. HANDLING AND STORAGE**

- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- State:** Paste
- Colour:** Off-white
- Odour:** Characteristic odour
- Evaporation rate:** Moderate
- Solubility in water:** Slightly soluble
- Also soluble in:** Ethanol.
- Viscosity:** Viscous

**10. STABILITY AND REACTIVITY**

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Heat.
- Materials to avoid:** Strong oxidising agents. Strong acids.
- Haz. decomp. products:** In combustion emits toxic fumes.

[cont...]

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**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** 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

**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 and 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:** -

**Shipping name:** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.

**IMDG / IMO**

**UN no:** -

**IATA / ICAO**

**UN no:** -

**15. REGULATORY INFORMATION**

**Hazard symbols:** Harmful.



**Risk phrases:** R22: Harmful if swallowed.  
R32: Contact with acids liberates very toxic gas.  
R43: May cause sensitisation by skin contact.

[cont...]

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**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 sensitisation 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.

**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 handling or from contact with the above product.