

**SECTION 1: IDENTIFICATION**

**Product Identifier:**

Product Name: VARNISH SODIUM FLUORIDE 5%

**Other Means of Identification:**

Product Item Code(s):

- 1011-BG32, 1011-BG200, 1011-RB32, 1011-RB200
- 1015-MM32, 1015-MM250, 1015-SM32, 1015-SM250, 1015-WB32, 1015-WB250
- 1030-MM32, 1030-SM32, 1030-SM250, 1030-WB32, 1030-WB250
- 1033-BG32, 1033-BG200
- 10011-US
- 10033-CN

**Recommended use of the chemical and restriction on use:**

Recommended Use: Dental Product

Restrictions on Use: For professional use only. Do not swallow

**Name, address, telephone number of the supplier:**

Company Address: AMD Medicom, Inc.  
2555 Chemin de l'Aviation  
Pointe-Claire (Montreal), Quebec, H9P 2Z2  
Canada

Information Telephone Number: 514-636-6262

Emergency Telephone Number: 1-800-361-2862

**SECTION 2: HAZARD(S) IDENTIFICATION**

**GHS Classification**

- Flammable liquid category 2
- Acute Toxicity category 3
- Eye Irritant category 2
- Skin Sensitizer category 1

**Signal Word:** Danger

**Hazard Statements:**

- Highly flammable liquid and vapor.
- Harmful if swallowed.
- Causes serious eye irritation.

**Pictograms:**



Flammable    Harmful  
                  Irritant

**Precautionary Statements:**

- Keep away from heat. Sparks, open flames, and hot surfaces. No smoking
- Keep out of the reach of children
- Wash hands thoroughly after handling

**Hazards not otherwise classified:** None

**Unknown Acute Toxicity:** No ingredient with unknown toxicity

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS No./ EINECS No.	Percent (By Weight)
Ethanol	64-17-5/200-578-6	10-35%
Sodium Fluoride	7681-49-4/231-667-8	4-6%
Synthetic Resin	68990-02-3/273-574-5	50-70%

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation develops or persists

**Skin Contact:** Wash skin with plenty of soap and water. Get medical attention if irritation develops

**Ingestion:** Do not induce vomiting. If conscious, rinse out mouth with water and give copious amounts of milk, or water if milk is not available. Never give anything by mouth to an unconscious person. If symptoms persist, get immediate medical attention

**Inhalation:** Move victim to fresh air. If breathing is difficult have qualified personnel administer oxygen. Get medical attention if irritation persists

**Most Important symptoms/effects, acute and delayed:** May cause eye and skin irritation. May be harmful if swallowed

**Indication of immediate medical attention and special treatment needed:** No information available

**SECTION 5: FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Use media appropriate for the surrounding fire

**Unsuitable Extinguishing Media:** None known

**Specific hazards arising from the chemical:** Highly flammable liquid and vapor

**Special Protective equipment and precautions for firefighters:** Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus

**Unusual Fire/Explosion Hazards:** None under normal conditions of use

**Known or Anticipated Hazardous Products of Combustion:** Carbon monoxide, carbon dioxide and toxic fumes

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes, skin and clothing. Use appropriate protective equipment as described in Section 8

**Environmental Precautions:** Prevent spill from entering waterways

**Methods and materials for containment and cleaning up:** Wipe up or collect using an inert absorbent material and place in appropriate containers for disposal. Rinse spill area with water. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling:** Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly with soap and water after handling. Keep containers tightly closed when not in use

Do not reuse containers. Empty containers retain product residues that can be hazardous. Follow all safety precautions when handling empty containers

**Conditions for safe storage including any incompatibilities:** Store between 15-30°C (59°F-86°F). Keep out of direct sunlight. Keep away from heat and ignition sources. Keep out of reach of children. Store away from strong acids and oxidizing materials

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Exposure Control Parameters:** The parameters are not provided for the product itself. They are provided for the ingredients listed below:

**Occupational Exposure Limits:**

Sodium Fluoride (as Fluoride)	2.5mg/m <sup>3</sup> TWA ACGIH 2.5mg/ m <sup>3</sup> TWA OSHA
Ethanol	1000 ppm STEL ACGIH 1900 mg/m <sup>3</sup> TWA OSHA

**Appropriate Engineering Controls:** No special ventilation normally required. For bulk handling, use ventilation that is adequate to maintain exposure levels below the occupational exposure limits

**Individual Protection Measures:**

▪ **Personal Protective Equipment**

Eye Protection: Safety glasses recommended

Skin Protection: Wear impervious gloves

Respiratory Protection: None should be needed for normal use. If the exposure limits are exceeded an approved respirator with particulate cartridges or air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with applicable regulations and good industrial hygiene practice

- **Other Protective Clothing or Equipment:** None needed for normal use. Impervious clothing as needed to avoid contamination of personal clothing for bulk handling

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Off white to yellow colored liquid.

**Odor:** Characteristic

**Odor Threshold:** Not available

**pH:** Not available

**Melting Point:** Not applicable

**Freezing Point:** Not available

**Boiling Point/Range:** Not available

**Flashpoint:** Not available

**Evaporation Rate:** Not available

**Flammability (solid, gas):** Not available

**Upper/lower flammability or explosive limits:**

LEL: Not available

UEL: Not available

**Vapor Pressure:** Not available

**Vapor Density:** Not available

**Relative Density:** Not available

**Solubility in water:** Slightly soluble

**Partition coefficient**

**(n-octanol/water):** Not available

**Autoignition Temperature:** Not available

**Decomposition Temperature:** Not available

**Viscosity:** Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** None known

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** None under normal conditions of use

**Conditions to Avoid:** Keep away from ignition sources.

**Incompatible Materials:** Avoid oxidizing agents and strong acids.

**Hazardous Decomposition Products:** May produce carbon monoxide, carbon dioxide and toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects:**

Toxicological data not available for the product itself. The data provided are for the ingredients listed below

Sodium Fluoride: Oral rat LD<sub>50</sub>: 52 mg/kg

Ethanol: Oral rat LD<sub>50</sub>: 7060 mg/kg

**Likely Routes of Exposure and the Symptoms related to the Physical, Chemical and Toxicological Characteristics:**

**Eyes:** Direct contact causes eye irritation

**Skin:** Prolonged skin contact may cause irritation

**Inhalation:** No adverse effects expected, under normal conditions of use

**Ingestion:** May cause salivation, nausea, vomiting, abdominal pain, headaches, or dizziness

**Chronic Health Effects:** Not expected under normal conditions of use. Repeated overexposure to Sodium Fluoride may cause fluorosis

**Mutagenicity:** No data available

**Carcinogenicity:** Not known to be as carcinogen or potential carcinogen by NTP (National Toxicological Program), IARC (International Agency for the Research of Cancer) or OSHA (Occupational Safety and

Health Administration). Carcinogenicity of ethanol is only applicable when it is present in alcoholic beverages only

**Medical Conditions Aggravated by Exposure:** Individuals with pre-existing skin and respiratory disease may be at increased risk from exposure

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Ecological data not available for the product itself. The data provided are for the ingredients listed below:

Sodium Fluoride: 96 hrs. LC<sub>50</sub> rainbow trout: 51-108 mg/L

Ethanol: 96 hrs. LC<sub>50</sub> rainbow trout: >10,000 mg/L

**Persistence and degradability**

No information available

**Bio-accumulative Potential:** No data available

**Mobility in soil:**

No data available

**Other adverse effects:**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Dispose in accordance with national and local regulations

**SECTION 14: TRANSPORT INFORMATION**

\* Refer to local, state and national transport regulations as limited quantity exceptions may apply for the product as supplied, before the use of the information provided in this section.

**DOT (US)**

**Proper Shipping Name:** Ethanol solutions

**Hazard Class:** 3

**UN Number:** UN 1170

**Packing Group:** II

**Packaging:** See 49 CFR 173.202 for authorized specification non-bulk packagings

**Limited Quantity and Consumer Commodity Exception:** See 49 CFR 173.150 for limited quantity and consumer commodity exceptions (valid until 12/31/2020). Inner packaging which do not exceed 1 L and outer packaging not exceeding 30 kg are authorized.

**Hazardous Substances (RQ):** Ethanol is not listed as a hazardous substance

**Air (IATA/ICAO)**

**Proper Shipping Name:** Ethanol solutions

**Hazard Class:** 3

**UN Number:** UN 1170

**Packing Group:** II

**Limited Quantity Exception:** See Packing Instruction Y341. Up to 0.5 L maximum quantity per inner package (depending on type of package used) and 1 L / 30 kg gross weight maximum per package. Combination packages are required.

**Consumer Commodity Exception:** See Packing Instruction Y963. If inner packages are not more than 500 mL and material is packaged for consumer use, it may be reclassified as ID8000, Consumer Commodity, Class 9. Gross weight is 30 kg.

**Passenger Aircraft Limitation:** See Packing Instruction 353. Up to 5 L maximum quantity per inner package (depending on inner package used) and 5 L maximum net quantity per package. Combination and single packages are permitted.

**Cargo Aircraft Limitation:** See Packing Instruction 364. Up to 10 L maximum quantity per inner package (depending on inner package used) and 60 L maximum net quantity per package. Combination and single packages are permitted.

**IMO/IMDG**

**Proper Shipping Name:** Ethanol solution

**Hazard Class:** 3

**UN Number:** UN 1170

**Packing Group:** II

<b>SECTION 15: REGULATORY INFORMATION</b>
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**U.S. FEDERAL REGULATIONS**

**SARA TITLE III:**

**Hazard Category for Section 311/312:** Acute health, Fire Hazard

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None at or above reportable quantity

**Section 302 extremely hazardous Substances (TPQ):** None at or above reportable quantity

**EPA Toxic Substances Control Act (TSCA) Status:** This product is a medical device (USA)/Natural Health Product(Canada) and not subject to chemical notification requirements

**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

**SECTION 16: OTHER INFORMATION**

**Risk phrases used in Section 2:** Not applicable

**Date of last revision of SDS:** November 18, 2017

**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.

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