



M A T E R I A L S A F E T Y D A T A S H E E T

24-Hour Emergency #: (U.S.) 1-800-535-5053 / (Outside U.S.) 352-323-3500

SECTION I: Product & Company Identification

Product Name: **ZOOBY** 5% Sodium Fluoride Varnish
Catalog Number: **646110**
Distributed by: Denticator
13705 Shoreline Court East
Earth City, MO 63045
1.800.325.1881

SECTION II: Health Hazard Information

Harmful if swallowed. Contact with acids liberates extremely toxic gas.

Appearance: Off-white to yellow liquid with characteristic odor.

Routes of Entry: Ingestion, skin contact, eye contact, inhalation

Symptoms of Exposure:

Eye Contact: Mild irritation and redness

Skin Contact: Mild irritation at site of contact

Ingestion: Throat irritation.

Inhalation: No symptoms under normal use conditions.

SECTION III: Hazardous Components

Component	CAS #	OSHA PEL	ACGIH TVL	Risk Phrases <small>*See Sec. XV for full R phrases</small>	% by Weight
Rosin	8050-09-7	-	-	[Sens.] R43	50-70%
Ethanol*	64-17-5	1000 ppm (1900 mg/m ³)	1000 ppm (1920 mg/m ³)	[F] R11	15-35%
Sodium fluoride**	7681-49-4	2.5 mg/m ³	2.5 mg/m ³	[T] R25 [-] R32 [Xi] R36/38	1-10%

***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 IV: First Aid Procedures

Eye Contact: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash immediately with plenty of soap and water. If irritation persists, seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. If an amount greater than a normal dose is swallowed, drink large quantities of water, milk, or several ounces of milk of magnesia. Contact Poison Control Center. Never give anything by mouth to an unconscious or convulsing person. Seek medical attention.

Inhalation: None needed under normal use conditions. If irritation develops, move patient to fresh air.

SECTION V: Fire Fighting Measures

Flash Point	Not determined
Extinguishing Media	Use suitable extinguishing media for the surrounding fire. Use water spray to cool containers.
Special Fire-Fighting Procedures	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards	Emits toxic fumes upon combustion

SECTION VI: Accidental Release Measures

In case of spill: Absorb into dry earth or sand. Transfer to a closable, labeled salvage container for disposal by an appropriate method. Use bunding to contain spillages.

SECTION VII: Handling and Storage

Keep out of reach of children. Keep container closed when not in use. Turn leaking containers leak-side up to prevent the escape of liquid. Store in a cool, well-ventilated area. Avoid exposure to heat.

SECTION VIII: Personal Protection

Protective wear: Goggles, gloves, laboratory jacket or apron. Have eye bath nearby.

Ventilation: Ensure sufficient ventilation

Respiratory Protection: None required

Work / Hygienic Practices: Use common sense for safety. Avoid skin and eye contact.

SECTION IX: Physical and Chemical Properties

Solubility	Not soluble in water, soluble in ethanol
Boiling Point	Not determined
Melting Point	Not determined
Specific Gravity	Not determined
Evaporation Rate	Moderate
Vapor Pressure/Density	Not determined
Physical State	Off-white paste with characteristic odor

SECTION X: Stability and Reactivity

Stability	Stable under normal conditions
Hazardous Polymerization	Not determined
Hazardous Decomposition Products	Emits toxic fumes upon combustion
Conditions/Materials to Avoid	Heat, strong oxidants, strong acids

SECTION XI: Toxicological Information

National Toxicology Program, I.A.R.C. Monographs and OSHA do not list this product or its ingredients as carcinogens

SECTION XII: Ecological Information

Mobility: Readily absorbed into soil
Persistence and Degradability: Biodegradable
Bioaccumulation Potential: None
Other Adverse Effects: Negligible ecotoxicity

SECTION XIII: Disposal Considerations

Do not discharge into drains or rivers. Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION XIV: Transport Information

Not regulated

SECTION XV: Regulatory Information

Risk Phrases:

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

Safety Phrases:

S24: Avoid contact with skin
S37: Wear suitable gloves

SECTION XVI: Other Information

None

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Denticator makes no recommendation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for particular purpose.

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