

**SECTION 1: IDENTIFICATION**
**Product Identifier**

Safco Protect Ultra™ 5% Sodium Fluoride White Varnish

**Other Means of Identification**

Item Code(s): List of Products in Annex

**Company Address**

Safco Dental Supply Co.  
1111 Corporate Grove Drive  
Buffalo Grove, IL 60089  
USA

**Telephone Number:** 800-621-2178

**Emergency Telephone Number:** 800-621-2178

**SECTION 2: HAZARD IDENTIFICATION**

**Hazard Statement:** Caution! Contact with acids may produce very toxic gas. May cause mild skin irritation. May cause moderate eye irritation. Ingestion of large amounts may be harmful. Possible mild dermatitis. May cause skin sensitization. Ethanol has been shown to cause mutagenic effects but at extremely high oral doses, which are not applicable in a clinical setting.

**Potential Health Hazards**

**Eyes contact:** May cause moderate eye irritation.

**Skin Contact:** May cause mild skin irritation.

**Ingestion:** May cause irritation to the mouth, throat, and stomach.

**Inhalation:** Not an expected route of entry

**Effects of long-term (chronic) exposure:** Prolonged or repeated skin contact may result in irritation and possible dermatitis.

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

Chemical Name	CAS No.	Percent
Rosin	8050-09-7	50 – 70
Ethanol	64-17-5	10 – 30
Sodium Fluoride	7681-49-4	1 – 10

**SECTION 4: FIRST AID MEASURES**

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

**Eye Contact:** Flush eyes with large amount of water. If irritation persists, seek medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately wash exposed area thoroughly with soap and water for 15 minutes. Get medical attention.

**Inhalation:** Remove person to fresh air. If irritation persists, seek medical attention.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Seek medical attention.

**Advice to Physician:** No specific advice

## SECTION 5: FIRE FIGHTING MEASURES

**OSHA Fire Hazard Class:** Class IIIB Flammable Liquid  
**NFPA Hazard Code:** Health :1 Fire: 1 Reactivity: 0  
**Flammability:** Not flammable under normal conditions of use.  
**Extinguishing Media:** Use media suitable to the surrounding fire such as water, alcohol foams, carbon dioxide, and dry chemicals.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill Response:** Ventilate area. Extinguish all ignition sources. Collect spilled material. Other sections of SDS contain information regarding physical and health hazards, respiratory protection, ventilation, and ignition sources.  
**Recommended Disposal:** Dispose of contents/container in accordance with applicable local/regional/national/international regulations.  
**US EPA Hazardous Waste Number:** D001; If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United-States.

## SECTION 7: HANDLING AND STORAGE

**Eye Protection:** Avoid eye contact. Safety glass with side shield is recommended.  
**Skin Protection:** Avoid skin contact. Wear nitrile gloves when handling this material. A not touch technique is recommended. If skin contact occurs, wash with soap and water.  
**Ventilation Protection:** Do not use in a confined area or areas with limited air movement. Use in well-ventilated area. Avoid prolonged breathing of vapors.  
**Prevention of Accidental Ingestion:** Do not eat, drink, or smoke when utilizing this product. Wash exposed areas thoroughly with soap and water. Wash hands between handling and eating. Do not ingest.  
**Recommended Storage:** Store in a cool place away from acids, heat, and light. Inspect periodically for damage or leaks.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limits:** Source of Exposure Limit Data: ACGIH- American Conference of Governmental Industrial Hygienists, OSHA- Occupational Safety Administration.

Ingredients	ACGIH TLV		OSHA PEL	
	TWA	STEL	PEL	STEL
Sodium Fluoride	2.5 mg/m <sup>3</sup>	N/A	2.5 mg/m <sup>3</sup>	N/A
Ethanol	N/A	1000 ppm	1000 ppm	N/A

**Personal Protection:** See Section 7 for suggested protective equipment.  
**Other Protective Equipment:** Eye wash and safety shower should be made available in immediate working area. Remove wash contaminated clothing before re-use.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form	Paste
Odor, Color, Grade	Off-white liquid with flavored odor
General Physical Form	Liquid
Boiling point	N/A
Specific Gravity	~ 1.1 g/ml
Solubility in Water	Moderate
Vapor Pressure	N/A
Evaporation Rate	Negligible

## SECTION 10: STABILITY AND REACTIVITY

**Stability and Reactivity:** Stable under recommended storage conditions.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Keep out of direct sunlight. Keep from excessive heat, open flames, sparks, and other possible ignition sources. Do not use in areas without adequate ventilation. Contact with acids may produce very toxic gas.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Target Organs:** Eyes, skin, and digestive system

**Routes of Exposure:** Skin & Eyes, and Ingestion

**Toxicological Data:** There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

Ingredients	LC50(4hr)	LD50	
	Inhalation, rat	Oral, rat	Rabbit, dermal
Sodium Fluoride	N/A	52 mg/kg	175 mg/kg
Ethanol	>32380 ppm	7060 mg/kg	>15800 mg/kg
Rosin	N/A	3 mg/kg	N/A

**Carcinogenic Status:** Not known to be carcinogenic. Note that this product contains ethanol, a confirmed animal carcinogen (A3) by the ACGIH and human carcinogen (Group 1) by the IARC; however, this is only applicable when the chemical is present in alcoholic beverages.

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

**Toxicity to fish:** LC50/96h/Rainbow Trout = 51-108 mg/L

**Toxicity to invertebrates:** EC50/48h/*Daphnia magna* (water flea) = 97-153 mg/L

**Toxicity to algae:** EC50/96h/*Skeletonema costatum* = 122 mg/L

**Persistence:** Active ingredient is readily biodegradable

**Mobility/bioaccumulation potential/other adverse environmental effects:** No data is available on the product itself.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Recommended Disposal:** Dispose of contents/container in accordance with applicable local/regional/ national/international regulations. Contact your local, state, provincial, or federal agency for specific rules.

**RCRA:** It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state, and federal environmental agencies.

## SECTION 14: TRANSPORT AND STORAGE

**49CFR/DOT:** Not regulated.

## SECTION 15: REGULATORY INFORMATION

**California Proposition 65:** This product does contain ethyl alcohol, which is known to the State of California to cause developmental harm; however, this is only applicable when the chemical is present in alcoholic beverages.

**Other US State "Right to Know" Lists:** The following chemicals are specifically listed by individual States: Sodium Fluoride (MA, NJ, CA, PA, RI), Rosin (MN); Ethanol (MA, MN, NJ, CA, PA, RI).

**CERCLA Reportable Quantity (RQ) (40 CFR 117.302):** Non reported.

## SECTION 16: OTHER INFORMATION

**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. Safco Dental Supply Co. shall not be held liable for any damage resulting from handling or from contact with the products listed in Annex.

## ANNEX: LIST OF PRODUCTS

Item Code No.	Description
1028525	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Mint
1028527	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Caramel
1028530	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Bubblegum
1028533	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Mint
1028536	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Caramel
1028539	Safco Protect Ultra 5% Sodium Fluoride White Varnish, 0.4ml/tray, Bubblegum
SP-10285	Safco Protect Ultra 5% Sodium Fluoride White Varnish – Sample Pack, 3 trays/pack