

SAFETY DATA SHEETS

This SDS packet was issued with item:

070422014

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070421990 070422006

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).


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MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name:	ProGuard 5% Sodium Fluoride Varnish
Synonyms:	ProGuard, Varnish
Product Code(s):	UFVPM and UFVPMML
Recommended Use:	Dental varnish. ProGuard Varnish is a dental varnish intended for use as a treatment for hypersensitive teeth; to seal the dentinal tubules for cavity preparations or on sensitive root surfaces and as a cavity liner under amalgam restorations
Restrictions:	Use only as directed. For use by dental professional only.
Company:	Crosstex 10 Ranick Road Hauppauge, New York 11788 631.582.6777
Emergency Telephone Number:	INFOTRAC: 24-Hour Number: 1-800-535-5053 International: +1-352-323-3500

SECTION 2 – HAZARD(S) IDENTIFICATION

Classifications:	Flammable liquid category 2 Eye Irritant category 2
Pictograms:	
Signal Word:	WARNING
Hazard Statements:	H225: Highly flammable liquid and vapor. H302: Harmful if swallowed. H319: Causes serious eye irritation.
Precautionary Statements:	P210: Keep away from heat. Sparks, open flames, and hot surfaces. No smoking. P102: Keep out of the reach of children. P264: Wash hands thoroughly after handling.
Unclassified/Other Hazards:	For use by dental professional only.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Percent by Weight
Ethanol	64-17-5	10-25%
Sodium Fluoride	7681-49-4	2.5-5 %

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Eye Contact:	Rinse opened eye for several minutes under running water.
Ingestion	Swallowing larger amounts can lead to nausea, vomiting and/or diarrhea. Immediately call a doctor.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin Contact:	Generally the product does not irritate the skin.
Note to Physician:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Specific Hazards During Fire Fighting:	Highly flammable liquid and vapor.
Protective Equipment/Precautions for Fire-Fighters:	Firefighters should wear full emergency equipment and positive pressure self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective equipment. Keep unprotected persons away.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Clean Up/Containment Methods:	Pick up mechanically. Do not flush into sewer or allow into waterways. Use appropriate Personal Protective Equipment (PPE).

SECTION 7 – HANDLING & STORAGE

Precautions for Safe Handling:	For dental use only.
Conditions for Safe Storage:	Do not store together with acids. See storage instructions on package.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

List	Components	CAS No.	Type	Value
OSHA	Sodium Fluoride	7681-49-4	TWA	2.5mg/ m ³
OSHA	Ethanol	64-17-5	STEL	1900 mg/m ³
ACGIH	Sodium Fluoride	7681-49-4	TWA	2.5mg/ m ³
ACGIH	Ethanol	64-17-5	TWA	1000 ppm

Personal Protection

Engineering Measures:	
Eye/Face Protection:	Safety glasses recommended
Hand Protection:	Wash hands before breaks and at the end of the day.
Respiratory Protection:	Not required.
Skin and Body Protection:	Not required.
Work/Hygiene Practices:	Wash hands before breaks and at the end of the day.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Fluid
Odor:	Fruit-like
Odor Threshold:	Not available
pH:	Not determined
Melting Point/Freezing Point:	Undetermined
Initial Boiling Point & Boiling Range:	Undetermined
Flash Point:	36°C (97 °F)
Evaporation Rate:	Not available
Flammability (solid, gas):	Not available
Upper Explosive Limit	Not available
Lower Explosive Limit	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Relative Density:	At 20°C, 1.02 g/cm ³ (8.512 lbs/gal)
Solubility(ies):	Not miscible or difficult to mix
Partition Coefficient (n-octanol/water):	Not available
Auto-Ignition Temperature:	Product is not self-igniting
Decomposition Temperature:	Not available
Viscosity:	Not available

SECTION 10 – STABILITY & REACTIVITY

Reactivity:	None known
Chemical Stability:	Stable
Hazardous Reactions:	Contact with acids releases toxic gases.
Conditions to Avoid:	Keep away from ignition sources.
Incompatible materials:	Avoid oxidizing agents and strong acids
Decomposition Products:	No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Likely Exposure Routes:	Inhalation, skin contact, eye contact, ingestion.
Symptoms of Exposure:	See Section 4
Effects of Exposure:	See Section 4

Numerical Measures of Toxicity:

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation)
7681-49-4 sodium fluoride	52 mg/kg rat	Not available	Not available
64-17-5 ethanol	7060 mg/kg rat	Not available	Not 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).

SECTION 12 – ECOLOGICAL INFORMATION


Bioaccumulation:	No data available
Ecological Toxicity:	Sodium Fluoride: 96 hrs. LC50 fish: >100 mg/L

	Ethanol: 96 hrs. LC50 rainbow trout: >10,000 mg/L
Mobility in Soil:	No data available
Persistence and Degradability:	No information available
Other Adverse Effects:	Water hazard class 1 (self-assessment); slightly hazardous for water.

SECTION 13 – DISPOSAL CONSIDERATIONS

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number:	1170
UN Proper Shipping Name(s):	Ethyl Alcohol Solution
Transport Hazard Class(es):	
	Class: 3 Flammable liquids
	Label: 3
Other Adverse Effects:	Water hazard class 1 (self-assessment); slightly hazardous for water.

SECTION 15 – REGULATORY INFORMATION

Section 355 (extremely hazardous substances):	None of the ingredients are listed
Section 313 (Specific toxic chemical listings):	None of the ingredients are listed
TSCA Status:	Contact Crosstex for more information. All ingredients are listed
Proposition 65	
<i>Chemical known to cause cancer</i>	None of the ingredients are listed
<i>Chemical known to cause reproductive toxicity for females</i>	None of the ingredients are listed
<i>Chemical known to cause reproductive toxicity for males</i>	None of the ingredients are listed
<i>Chemical known to cause developmental toxicity for females</i>	None of the ingredients are listed
Carcinogenicity Categories	
<i>EPA (Environmental Protection Agency)</i>	None of the ingredients are listed
<i>TLV (threshold Limit Value established by ACGIH)</i>	7681-49-4 sodium fluoride A-4
<i>NIOSH-Ca (National Institute for Occupational Safety and Health)</i>	None of the ingredients are listed
<i>OSHA-Ca (Occupational Safety & Health Administration)</i>	None of the ingredients are listed
Canadian Substance Listings	
<i>DSL (Canadian Domestic Substance List)</i>	All ingredients are listed
<i>Canadian Ingredient Disclosure limit (limit 0.1%)</i>	Contact Crosstex for more information
<i>Canadian Ingredient disclosure list (limit 1%)</i>	7681-49-4 sodium fluoride

SECTION 16 – OTHER INFORMATION



The information contained in this document is correct to the best of our knowledge and is based on current information at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. Crosstex makes no guarantees or warranty to the validity, accuracy, or currency and shall not be liable or responsible in any way for use of either this information or the materials described.

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name:	ProGuard™ 5% Sodium Fluoride Varnish
Synonyms:	ProGuard, Varnish
Product Code(s):	UFVPM and UFVPML
Recommended Use:	Dental varnish. ProGuard Varnish is a dental varnish intended for use as a treatment for hypersensitive teeth; to seal the dentinal tubules for cavity preparations or on sensitive root surfaces and as a cavity liner under amalgam restorations
Restrictions:	Use only as directed. For use by dental professional only.
Company:	Crosstex 10 Ranick Road Hauppauge, New York 11788 631.582.6777
Emergency Telephone Number:	INFOTRAC: 24-Hour Number: 1-800-535-5053 International: +1-352-323-3500

SECTION 2 – HAZARD(S) IDENTIFICATION

Pictograms:	<div><div>Flammable Liq. 3 H226 Flammable liquid and vapor</div></div> <div><div>Acute Tox. H302 Harmful if swallowed</div></div>
Hazard Pictograms:	GHS02, GHS07
Signal Word:	WARNING
Hazard Statements:	Flammable liquid and vapor Harmful if swallowed
Precautionary Statements:	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/eye protection. Wear protective clothing. Avoid breathing vapors. IF SWALLOWED: Call a doctor if you feel unwell. Dispose of contents/container in accordance with local, regional, national, international regulations
Other Hazards:	Material should only be used with extreme caution in individuals who may have control over their swallowing reflex. (i.e preschool children and the disabled) Use only for intended scope of application.
Results of PBT and vPvB assessment	PBT: Not applicable vPvB: Not applicable.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture

Description: Mixture of the substances listed below with non-hazardous additions.

Component	CAS No.	Percent by Weight
Ethanol	64-17-5	10-25%
Sodium Fluoride	7681-49-4	2.5-5 %

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 – FIRST AID MEASURES

Eye Contact:	Rinse opened eye for several minutes under running water.
Ingestion	Swallowing of larger amounts can lead to nausea, vomiting and/or diarrhea. Immediately call a doctor.
Inhalation:	Supply fresh air; consult doctor in case of complaints.
Skin Contact:	Generally the product does not irritate the skin.
Symptoms and effects (acute and delayed):	No further relevant information available
Immediate Medical Attention/Special Treatment:	No further relevant information available

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Specific Hazards During Fire Fighting:	No further relevant information available
Advice for Fire-Fighters:	No further relevant information available

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear protective equipment. Keep unprotected persons away.
Environmental Precautions:	Do not allow to enter sewers/surface or ground water.
Clean Up/Containment Methods:	Pick up mechanically. Do not flush into sewer or allow into waterways. Use appropriate Personal Protective Equipment (PPE).

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

SECTION 7 – HANDLING & STORAGE

Precautions for Safe Handling:	For dental use only. Keep ignition sources away. Do not smoke.
Conditions for Safe Storage:	Do not store together with acids. See storage instructions on package. Keep receptacle tightly sealed.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: Components with limit values that require monitoring in the workplace

64-17-5 Ethanol (10-25%)			
PEL	Long-term value:	1900 mg/m ³	1000 ppm
REL	Long-term value:	1900 mg/m ³	1000 ppm
TLV	Short-term value:	1880 mg/m ³	1000 ppm

Personal Protection

General Protective and Hygienic Measures::	The usual precautionary measures for handling chemicals should be followed
Hand Protection:	Not required
Respiratory Protection:	Not required

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Fluid
Color:	Colorless
Odor:	Fruit-like
pH:	Not determined
Melting Point/Melting Range:	Undetermined
Boiling Point/Boiling Range:	Undetermined
Flash Point:	36°C (97 °F)
Auto-Ignition Temperature:	Product is not self-igniting
Danger of Explosion:	Product does not present an explosion hazard
Relative Density:	At 20°C, 1.02 g/cm ³ (8.512 lbs/gal)
Solubility(ies):	Not miscible or difficult to mix
Viscosity:	Not available

SECTION 10 – STABILITY & REACTIVITY

Reactivity:	None known
Chemical Stability:	Stable
Thermal Decomposition/Conditions to be Avoided:	No decomposition if used according to specifications
Hazardous Reactions:	Contact with acids releases toxic gases.
Conditions to Avoid:	No further relevant information is available.
Incompatible Materials:	Avoid oxidizing agents and strong acids
Decomposition Products:	No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION**Toxicological Effects: Acute Toxicity::**

Component	LD₅₀ (oral)	LD₅₀ (dermal)	LC₅₀ (inhalation)
7681-49-4 sodium fluoride	52 mg/kg rat	Not available	Not available

Carcinogenic Categories:

IARC

(International Agency for the Research of Cancer)

The components of 64-17-5 Ethanol is listed by IARC as Group 1 but in alcoholic beverage consumption only. This product is not an alcoholic beverage.

fumed silica

7681-49-4 sodium fluoride

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NTP (National Toxicological Program)

OSHA

(Occupational Safety and Health Administration).

None of the ingredients is listed

None of the ingredients is listed



SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Toxicity:	No further relevant information available.
Persistence and Degradability:	No further relevant information available.
Bioaccumulation:	No further relevant information available.
Mobility in Soil:	No further relevant information available.
General Notes:	Water hazard class 1 (self –assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB Assessment:	
PBT:	Not applicable.
vPvB:	Not applicable.
Other Adverse Effects:	No further relevant information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose of contents/container in accordance with applicable local, regional, national, and/or international regulations.

SECTION 14 – TRANSPORT INFORMATION

UN Number: DOT, ADR, IMDG, IATA	UN1170
UN Proper Shipping Name(s): DOT ADR IMDG IATA	Ethanol 1170 Ethanol (Ethyl Alcohol) ETHANOL (ETHYL ALCOHOL) ETHANOL
Transport Hazard Class(es): DOT	
	Class: 3 Flammable liquids
	Label: 3
ADR IMDG IATA	
	Class: 3 Flammable liquids
	Label: 3
Packaging Group: DOT, ADR, IMDG, IATA	III
Environmental Hazards: Marine Pollutant	No
Special Precautions for User:	Warning: Flammable liquids
Danger Code (Kemler):	30
EMS Number:	F-E, S-D
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable
UN “Model Regulation”:	IN1170, Ethanol (Ethyl Alcohol), 3, III

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TSCA Status:	Contact Crosstex for more information. All ingredients are listed
Proposition 65	
<i>Chemical known to cause cancer</i>	None of the ingredients are listed
<i>Chemical known to cause reproductive toxicity for females</i>	None of the ingredients are listed
<i>Chemical known to cause reproductive toxicity for males</i>	None of the ingredients are listed
<i>Chemical known to cause developmental toxicity:</i>	64-17-5 Ethanol
Carcinogenicity Categories	
<i>EPA (Environmental Protection Agency)</i>	None of the ingredients are listed
<i>TLV (threshold Limit Value established by ACGIH)</i>	64-17-5 ethanol A3 7681-49-4 sodium fluoride A-4
<i>NIOSH-Ca (National Institute for Occupational Safety and Health)</i>	None of the ingredients are listed
<i>OSHA-Ca (Occupational Safety & Health Administration)</i>	None of the ingredients are listed
Canadian Substance Listings	
<i>DSL (Canadian Domestic Substance List)</i>	All ingredients are listed
<i>Canadian Ingredient Disclosure limit (limit 0.1%)</i>	Contact Crosstex for more information
<i>Canadian Ingredient disclosure list (limit 1%)</i>	7681-49-4 sodium fluoride

GHS Label Elements:	The product is classified and labeled according to the Globally Harmonized System (GHS)
Hazards pictograms:	GHS02, GHS07
Signal Word:	Warning
Hazard Statements:	Flammable liquid and vapor Harmful if swallowed
Precautionary Statements	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/eye protection. Wear protective clothing. Avoid breathing vapors. IF SWALLOWED: Call a doctor if you feel unwell. Dispose of contents/container in accordance with local, regional, national, international regulations.

SECTION 16 – OTHER INFORMATION

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