

YOUNG™

DENTAL MANUFACTURING

S A F E T Y D A T A S H E E T

SECTION I: Identification

Product Identifier:

Product Name: Pro Care® Neutral Sodium Fluoride Solution
Part/Item Number: 030120

Recommended Use of the Substance or Mixture and Restrictions on Use:

Recommended Use: Mix with Pro Care Powder to create a prophylaxis paste for professionally administered dental prophylaxis treatments.
Restrictions on Use: For professional use only

Details of the Supplier:

Manufactured by: Young Dental Manufacturing
13705 Shoreline Court East
Earth City, MO 63045
1.800.325.1881

Emergency Phone Number:

Infotrac:
24-Hour Number- (U.S.) 1-800-535-5053
Outside U.S.- 1-352-323-3500

SECTION II: Hazard(s) Identification

Classification of the Substance or Mixture:

Health Hazard	Physical Hazard
Acute Oral Toxicity Category 4	Not Applicable

Label Elements:

Hazard Symbol:



Signal Word: Warning

Hazard Statement(s):
Harmful if swallowed.

Precautionary Statement(s):

Prevention – Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.
Response – If swallowed: call a poison center/doctor if you feel unwell. Rinse mouth.

Disposal – Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards: Not applicable

SECTION III: Composition/Information on Ingredients

Mixture:

Component	CAS #	WT%	Classification
Sodium Fluoride	7681-49-4	4%	Acute Oral Toxicity Category 3 Eye Irritant Category 2 Skin Irritant Category 2

SECTION IV: First-Aid Measures

Description of First Aid Measures:

Ingestion – If a child ingests more than 2.5 ml, seek medical attention. If an adult ingests more than 25 ml, seek medical attention.

Eye contact – If in eyes, immediately flush with gentle water for 15 minutes. Remove contact lenses, if present and easy to do.

Skin contact – If on skin, take off the contaminated clothing and clean and dry before re-use. Wash skin with plenty of soap and water.

Most Important Symptoms and Effects, Acute and Delayed: Ingestion may cause nausea.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Ingestion – If a child ingests more than 2.5 ml, seek medical attention. If an adult ingests more than 25 ml, seek medical attention.

Eye contact - Seek medical attention if irritation persists.

Skin contact – Seek medical attention if irritation occurs.

SECTION V: Firefighting Measures

Extinguishing media: Use media appropriate for surrounding the fire, such as water spray, dry chemicals, or foam.

Special Hazards Arising from the Substance or Mixture: Not applicable

Advice for Fire-Fighters:

Fire Fighting Procedures - Fight fire from a safe distance or protected location.

Precautions for Fire Fighters - Do not enter fire area without proper protection. Firefighters should wear full emergency equipment and an approved pressure self-contained breathing apparatus.

SECTION VI: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Do not ingest.

Methods and Materials for Containment and Cleaning Up: In case of a spill, wipe up with a wet towel.

SECTION VII: Handling and Storage

Precautions for Safe Handling: Keep out of reach of children.

Conditions for Safe Storage, Including Any Incompatibilities: Keep container tightly sealed when not in use.

SECTION VIII: Exposure Controls/Personal Protection

Control Parameters:

Occupational Exposure Limits:		
Component	OSHA PEL	ACGIH TLV
Sodium Fluoride	2.5 mg/m ³	2.5 mg/m ³

Exposure Controls:

Appropriate Engineering Controls – Normal room ventilation is sufficient. Respiratory protection is not necessary.

Individual Protection Measures (PPE) - Wear protective eye wear and gloves. Wash hands thoroughly after using this material.

SECTION IX: Physical and Chemical Properties

Information on Physical and Chemical Properties:	
Appearance:	Clear green solution
Odor:	Not applicable
Odor Threshold:	Not applicable
pH:	Not determined
Melting point/freezing point:	-3.7°C (25.3°F) calculated
Initial boiling point and boiling range:	101.0°C (213.8°F) calculated
Flash point:	Does not support combustion
Evaporation rate (Butyl Acetate =1):	Not determined
Flammability (solid, gas):	Not applicable
Upper/lower flammability or exposure limits:	Not applicable
Vapor pressure:	Not determined
Vapor density (Air = 1):	Not determined
Relative density:	Not determined
Solubilit(ies):	Soluble in water
Partition coefficient: n-octano/water	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Specific gravity (Water = 1):	1.038

SECTION X: Stability and Reactivity

Reactivity: None known

Chemical Stability: Stable

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Not applicable

Incompatible materials: Not applicable

Hazardous decomposition products: None known

SECTION XI: Toxicological Information

Potential Health Effects:

Ingestion – Harmful if ingested. Ingestion of large amounts may cause nausea.

Eye Contact – Causes eye irritation.

Skin Contact – Causes skin irritation

Acute Toxicity Data:

Sodium Fluoride (100%) – Oral Toxicity: LD50: 52mg/kg (rat); 57 mg/kg (mouse); 200 mg/kg (rabbit); LDLo: 71 mg/kg (human); **Eye Toxicity:** MOD 20 mg/24H (rabbit); **Intravenous Toxicity:** LD50: 26 mg/kg (rat); 50,830 ug/kg (mouse); LDLo: 80 mg/kg (dog); **Skin Toxicity:** LDLo: 300 mg/kg (mouse); **Intraperitoneal Toxicity:** LD50: 22 mg/kg (rat); **Subcutaneous Toxicity:** LD50: 70 mg/kg (mouse); 175 mg/kg (rat)

Carcinogenicity: IARC has determined that fluoride is not classifiable as to its carcinogenicity to humans (Group 3). OSHA and NTP do not list sodium fluoride as a carcinogen.

SECTION XII: Ecological Information

Toxicity:

Sodium Fluoride – LC50: >530 mg/L/96H (Lepomis macrochirus-bluegill), LC50: 200 mg/L/96H (Oncorhynchus mykiss-rainbow trout). Mortality NOEC: 500 mg/L/96H (Cyprinodon variegatus-sheepshead minnow); EC50: 338 mg/L/48H (Daphnia magna-water flea); EC50: 98 mg/L/48H (Daphnia magna-water flea); EC50: 272 mg/L/96H (Selenastrum capricornutum-green algae)

Persistence and Degradability: Not applicable

Mobility in Soil: Not applicable

Other Adverse Effects: Not applicable

SECTION XIII: Disposal Considerations

Dispose of in accordance with all Federal, State and Local regulations.

SECTION XIV: Transport Information

Not regulated

SECTION XV: Regulatory Information

Not applicable

SECTION XVI: Other Information

Supersedes: 29 January 2013

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