

SAFETY DATA SHEETS

This SDS packet was issued with item:

078020430

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

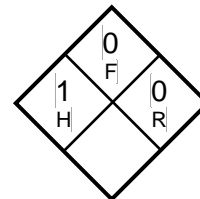
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The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078094565

MATERIAL SAFETY DATA SHEET

YOUNG DENTAL MANUFACTURING
13705 Shoreline Court East
Earth City, Missouri 63045



SECTION 1 – PRODUCT IDENTIFICATION AND EMERGENCY INFORMATION

Product Name:	Prophylaxis Paste with Fluoride
Catalog Numbers:	320010, 320110, 320210, 320310, 321010, 321110, 321210, 321310, 321410, 322010, 322110, 322210, 322310, 323010, 323110, 323210, 323310, 323410, 300010, 300120, 300220, 301020, 301120, 301220, 302020, 302120, 302220, 303020, 303120, 303220, 304120, 304220, 304320, 305020, 305120, 305220, 306020, 306120, 306220, 307020, 307120, 307220, 033109, 033209, 033309, 033409, 308220, 308120, 308020, 309220, 309120, 309020, 310220, 310120, 310020
Product Class:	Prophylaxis Paste
24-Hour Emergency Phone No.:	(800)-535-5053
Outside the US:	1-352-323-3500

SECTION 2 – HAZARDOUS COMPONENTS

Component	%	Toxicity Data
Sodium Fluoride	2.7%	LD50 (oral rat) 52mg/kg

SECTION 3 – TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Solubility:	Soluble except for dental abrasives
Boiling point:	Unknown
Vapor pressure:	Unknown
Vapor density (Air = 1):	Unknown
Melting point:	Unknown
Evaporation rate (Butyl Acetate =1):	Unknown
Specific gravity (Water = 1):	1.9
Appearance:	Paste with various colors and aromas.

SECTION 4 – FIRE AND EXPLOSION DATA – N/A

SECTION 5 – REACTIVITY DATA

Stability:	Stable
Materials/conditions to avoid:	N/A
Hazardous decomposition of byproducts:	N/A
Hazardous polymerization:	N/A

SECTION 6 – HEALTH INFORMATION AND PROTECTION

Routes of entry:	Ingestion, eye contact
Eye contact:	Flush with water, if irritation persists, contact physician
Ingestion:	Induce vomiting and consult physician
Health hazards:	Abrasion and/or irritation of the eye
Protective wear:	Protective eye wear recommended, and wash hands thoroughly after use
Ventilation:	Local Exhaust, no respiratory protection required
Signs and symptoms of exposure:	Ingestion = nausea, eye contact = redness and/or irritation.
Medical conditions generally aggravated by exposure:	Eye irritation
Emergency first aid procedures:	Ingestion - for child @ 10g of paste, seek immediate medical attention. For Adult @ 100g paste, seek medical attention. Eye contact - rinse with water for 15 minutes. Seek medical attention if irritation persists.

SECTION 7 – SPILL CONTROL PROCEDURES

In case of spill:	Collect material into acceptable containers.
Waste disposal method:	Dispose of in accordance with all Federal, State and Local regulations.

SECTION 8 – TRANSPORT AND STORAGE

Keep in tightly sealed containers
Other precautions: None

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Young Dental Manufacturing 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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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: Prophylaxis Paste with Fluoride

Part/Item Number: 320010, 320110, 320210, 320310, 321010, 321110, 321210, 321310, 321410, 322010, 322110, 322210, 322310, 323010, 323110, 323210, 323310, 323410, 300010, 300120, 300220, 301020, 301120, 301220, 302020, 302120, 302220, 303020, 303120, 303220, 304120, 304220, 304320, 305020, 305120, 305220, 306020, 306120, 306220, 307020, 307120, 307220, 033109, 033209, 033309, 033409, 308220, 308120, 308020, 309220, 309120, 309020, 310220, 310120, 310020, 311020, 295011, 295133, 295134, 295135, 295136, 295137, 295138, 295139, 295140

Product Class: Prophylaxis Paste

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

Recommended Use: To be used for cleaning and polishing procedures as part of a professionally administered dental prophylaxis treatment.

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):

Eye contact may cause abrasion, irritation, and/or redness.

May be harmful if swallowed.

Ingestion of large amounts may cause nausea.

May cause skin irritation.

Precautionary Statement(s):

Prevention – Wear protective eye wear. Wash hands thoroughly after use.

Response – If excessive amount ingested, consult a physician. If in eyes, rinse with water for 15 minutes. If eye irritation persists, seek medical attention. If on skin, wash with soap and water. If skin irritation occurs, seek medical attention.

Storage – Keep prophylaxis paste in tightly sealed containers. Store away from heat and direct sunlight.

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

Other Hazards- Not applicable

SECTION III: Composition/Information on Ingredients

Mixture:

Component	CAS #	WT%	Classification
Sodium Fluoride	7681-49-4	2.7%	Acute Oral Toxicity Category 3 Eye Irritant Category 2 Skin Irritant Category 2
Sodium Silicate	1344-09-8	3%	Acute Oral Toxicity Category 4 Eye Irritant Category 2 Skin Irritant Category 2

SECTION IV: First-Aid Measures

Description of First Aid Measures:

Ingestion – If a patient ingests an excessive amount of prophylaxis paste, consult a physician.

Eye contact – If a patient or clinician experiences contact, rinse his or her eyes with water for 15 minutes.

Skin contact – If a patient or clinician experiences irritation, wash his or her skin with soap and water.

Most Important Symptoms and Effects, Acute and Delayed: Direct contact with eyes or skin may cause irritation. Prophylaxis paste may be harmful if a patient swallows an excessive amount.

Indication of Any Immediate Medical Attention and Special Treatment Needed:

Ingestion – If a child ingests 10g or more of paste (5 unit dose cups), seek immediate medical attention. If an adult ingests 100g or more of paste (50 unit dose cups), seek medical attention.

Eye contact - Seek medical attention if irritation persists.

Skin contact – Seek medical attention if irritation persists.

SECTION V: Firefighting Measures

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

Special Hazards Arising from the Substance or Mixture: Not applicable

Advice for Fire-Fighters:

Fire Fighting Procedures - Use water to cool fire-exposed containers. 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: Avoid contact with eyes.

Methods and Materials for Containment and Cleaning Up: In case of a spill, collect the material into acceptable containers.

SECTION VII: Handling and Storage

Precautions for Safe Handling: Keep prophylaxis paste in tightly sealed containers. Do not reuse containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store away from heat and direct sunlight.

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
Sodium Silicate	None Established	None Established

Exposure Controls:

Appropriate Engineering Controls - Local exhaust is sufficient. Respiratory protection is not necessary.

Individual Protection Measures (PPE) - Wear protective eye wear, and wash hands thoroughly after use.

SECTION IX: Physical and Chemical Properties

Information on Physical and Chemical Properties:	
Appearance:	Paste with various colors and aromas
Odor:	Paste has various aromas indicative by flavor
Odor Threshold:	Not applicable
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Not determined
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 except for abrasive components of the mixture
Partition coefficient: n-octano/water	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

Specific gravity (Water = 1):	1.9
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SECTION X: Stability and Reactivity

Reactivity: None known

Chemical Stability: Stable under normal storage and handling conditions

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Not applicable

Incompatible materials: Not intended to mix with oxidizing agents and acids.

Hazardous decomposition products: Not applicable

SECTION XI: Toxicological Information

Potential Health Effects:

Ingestion - Ingestion of large amounts may cause nausea.

Eye Contact – Direct contact with eyes may cause irritation. Eye contact may cause abrasion or redness.

Skin Contact – May cause skin irritation.

Acute Toxicity Data:

Sodium Fluoride - LD50 (oral rat) 52mg/kg

Sodium Silicate - LD50 (oral rat) 1500mg/kg to 3200 mg/kg

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. OSHA, IARC, and NTP do not list sodium silicate as a carcinogen.

SECTION XII: Ecological Information

Toxicity:

Sodium Silicate – A 96 hour median tolerance for fish (*Gambusia affinis*) of 2320 ppm; a 96 hour median tolerance for water fleas (*Daphnia magna*) of 247 ppm; a 96 hour median tolerance for snail eggs (*Lymnea*) of 632 ppm; and a 96 hour median tolerance for Amphipoda of 160 ppm.

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

Bio-accumulative potential:

Sodium Silicate - Sodium silicate does not bioaccumulate except in species that use silica as a structural material such as diatoms and siliceous sponges. Where abnormally low natural silica concentrations exist (less than 0.1 ppm), dissolved silica may be a limiting nutrient for diatoms and a few other aquatic algal species. However, the addition of excess dissolved silica over the limiting concentration will not stimulate the growth of diatom populations; their growth rate is independent of silica concentration once the limiting concentration is exceeded. Neither silica nor sodium will appreciably bioconcentrate up the food chain.

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: 12 November 2014
Date Revised: 29 December 2014

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