



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

SECTION I: Identification

Product Identifier:

Product Name: Young EU (Zooby®, D-Lish®) Fluoride Free Prophylaxis Paste
Part/Item Number: 296208, 296209, 296210, 296211, 296212, 296213, 296214, 296215, 296216, 296217, 296218, 296219
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
Not Applicable	Not Applicable

Label Elements:

Hazard Statement(s): Not Applicable

Precautionary Statement(s): Not Applicable

Other Hazards: Not applicable

SECTION III: Composition/Information on Ingredients

Mixture:

Component	CAS #	WT%	Classification
Sodium Silicate	1344-09-8	1.3%	Eye Irritant Category 2 Skin Irritant Category 2

SECTION IV: First-Aid Measures

Description of First Aid Measures:

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.

Indication of Any Immediate Medical Attention and Special Treatment Needed: .

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 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

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:

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 Silicate - LD50 (oral rat) 3400 mg/kg, LC50 (inhalation rat) >2.06 g/m³, LD50 (dermal rat) > 5000 mg/kg

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

SECTION XII: Ecological Information

Toxicity:

Sodium Silicate – Fish (brachydanio rerio) LC50 (96 hour) 1108 mg/l, aquatic invertebrates (Daphnia magna) EC50 (48 hour) 1700 mg/l

Persistence and Degradability:

Sodium silicate – Sodium silicate is inorganic. Soluble silicates, upon dilution, rapidly depolymerize into molecular species indistinguishable from natural dissolved silica.

Bio-accumulative potential: Sodium Silicate is inorganic. The substance has no potential for bioaccumulation.

Mobility in Soil: Not applicable

Other Adverse Effects: The alkalinity of this sodium silicate will have a local effect on ecosystems sensitive to changes in pH.

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

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