SAFETY DATA SHEETS

This SDS packet was issued with item:

071233428

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

071233196 071233204 071233212 071233345 071233352 071233360 071233378 071233386 071233394 071233402 071233410 071233436 071233444 071233451



MATERIAL SAFETY DATA SHEET

24-Hour Emergency #: (U.S.) 1-800-535-5053 / (Outside U.S.) 352-323-3500

SECTION I: Product & Company Identification

Product Name: perfectchoice Prophy Gems

Catalog Number: PGF101CM, PGM102CM, PGM103CM, PGX104CM, PGM122WB, PGC123WB,

PGM112CI, PGC113CI, PGF133BG, PGM152VO, PGC153VO, PGM142AS, PGC143AS

Distributed by: Biotrol

13705 Shoreline Court East

Earth City, MO 63045

1.800.822.8550

SECTION II: Health Hazard Information

Primary Routes of Exposure:

Skin contact: Prolonged contact may cause irritation.

Eye contact: Direct contact causes irritation.

Ingestion: Contains sodium fluoride. DO NOT SWALLOW. May cause GI tract irritation and

burns.

NFPA Rating: Health (1); Fire (0); Reactivity (0)

SECTION III: Hazardous Components

COMPONENT	CAS No.	OSHA PEL	ACGIH TWA	%
Sodium fluoride	7681-49-4	2.5 mg/m ³	2.5 mg/m ³	2.9%
Sucralose	56038-13-2	N/A	N/A	≤ 0.5%

SECTION IV: First Aid Procedures

Eye Contact: Flush eyes immediately with water for at least 15 minutes. Get medical attention if irritation

develops.

Skin Contact: Flush well with water.

Ingestion: DO NOT INDUCE VOMITING. If large amounts of the material are swallowed, administer water,

milk, or Milk of Magnesia if person is conscious. Never give anything by mouth to an

unconscious person. Contact Poison Control Center.

SECTION V: Fire Fighting Measures

Extinguishing media: Water, carbon dioxide, foam, dry chemicals

Special fire-fighting instructions: None **Fire and explosion hazards:** N/A

SECTION VI: Accidental Release Measures

In case of spills: Physically remove spill from area. Wash away uncontaminated residue with water.

SECTION VII: Handling and Storage

Handling and Storage: Avoid excessive cold and heat.

Other Precautions: Read and observe all labeled precautions.

SECTION VIII: Personal Protection

Eye protection: Goggles or safety glasses recommended **Protective gloves:** General purpose gloves recommended

Ventilation: Normal room ventilation

Respiratory protection: None required

Other protective clothing: Clothes sufficient to avoid contact; avoid skin and eye contact

SECTION IX: Physical and Chemical Properties

Solubility in water: Partial

Appearance: Thick paste containing grit with odor characteristic of flavor

SECTION X: Stability and Reactivity

Stability: Stable under normal conditions of use

Reactivity: Reaction will occur if exposed to strong oxidizers

Hazardous polymerization: Will not occur

Hazardous decomposition products: Thermal decomposition or contact with strong acids may release corrosive and

toxic fumes of hydrogen fluoride or fluorine.

Incompatibility (materials to avoid): Glass, aluminum, strong oxidizers

SECTION XI: Toxicological Information

Eye Effects: Direct contact causes irritation **Skin Effects:** Prolonged contact causes irritation

Acute Oral Effects: Contains sodium fluoride which can cause gastrointestinal tract irritation and burns

SECTION XII: Ecological Information

ND

SECTION XIII: Disposal Considerations

Dispose of in accordance with all local, state, and federal regulations.

SECTION XIV: Transport Information

DOT Shipping Name: Not regulated

DOT Hazard Class: None UN/NA Number: None Hazardous Substance/RQ: None DOT Label: None DOT Placard: None

SECTION XV: Regulatory Information

OSHA: Not hazardous under 29CFR1910.1200

CERCLA Reportable Quantity (40CFR302.4): This product contains sodium fluoride which has a reportable quantity of 1000 lbs. CERCLA requires that any release of a hazardous substance in a quantity equal to or exceeding the reportable quantity in any 24 hour period be reported to the National Response Center in Washington, DC (800)424-8802.

SARA Title III:

Section 302, Extremely Hazardous Substances (40CFR355): None Section 311/312, Hazardous Categories (40CFR370): Not a health hazard; not a physical hazard Section 313, Toxic Chemicals (40CFR372): None

SECTION XVI: Other Information

None

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Biotrol 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.

NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.



SECTION I: Identification

Product Identifier:

Product Name: perfectchoice Prophy Gems

Part/Item Number: PGF101CM, PGM102CM, PGM103CM, PGX104CM, PGM122WB, PGC123WB,

PGM112CI, PGC113CI, PGF133BG, PGM152VO, PGC153VO, PGM142AS, PGC143AS

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: Biotrol

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.- 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	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:	Thick paste containing grit with odor characteristic of flavor	
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:

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 affnis) 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 (Daphia 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

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SARA Title III:

Section 302, Extremely Hazardous Substances (40CFR355): None

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SECTION XVI: Other Information

Supersedes: 20 November 2014 Date Revised: 19 March 2015

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