



**DENTAL
TECHNOLOGIES**

Safety Data Sheet

Safety Data Sheet (in compliance with 29 CFR Part 1200 and 29 CFR Part 1020)

Document Number: SDS 004.006

Date Revised: 03/01/24

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier:

Trade Name (as labeled): Alpha-Pro® Prophylaxis Paste with Fluoride
Product Form: Mixture
Part/Item Number: 560-0200, 560-0300, 560-0600, 560-1200, 560-1400, 560-1500, 560-1600, 560-1700

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use: For cleaning and polishing procedures as a part of a professionally administered dental prophylaxis treatment.

Restrictions on Use: For professional use only. Do not use on persons hypersensitive to fluoride.

1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name: Dental Technologies, Inc.
Manufacturer/Supplier Address: 6901 N. Hamlin Avenue
 Lincolnwood, IL 60712
Manufacturer/Supplier Telephone Number: 800-835-0885 or 847-677-5500 (Product Information)
Email address: info@dentaltech.com

1.4 Emergency Telephone Number:

Emergency Contact Telephone Number: Chemtrec
 800-424-9300 (USA)
 001-703-527-3887 (Outside USA)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture:

The product as manufactured is a solid composed of encapsulated chemical ingredients. No hazardous exposures are anticipated during normal product handling and use conditions.

GHS Classification:		
Health	Environmental	Physical
Acute Oral Toxicity Category 4 (H302) Skin Irritant Category 3 (H315) Eye Irritant Category 2B (H320)	Not Hazardous	No Physical Hazards

2.2 Label Elements:

Hazard pictograms (GHS-US)



GHS07

Signal Word: Warning

Hazard Phrases	Precautionary Phrases
H302 – Harmful if swallowed H315 – Causes skin irritation H320 – Causes eye irritation	P264 – Wash thoroughly after handling. P270 – Do not eat, drink or smoke when using this product. P280 – Wear protective gloves, protective clothing, eye protection and face protection. P301+P312 – IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. P302+P352 – IF ON SKIN: Wash with plenty of soap and water P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P321 – See section 4 for specific treatment. P330 – Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362 – Take off contaminated clothing and wash before reuse. P501 - Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known.**2.4 Unknown acute toxicity (GHS-US):** No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: None.**3.2 Mixture:**

Hazardous Components	C.A.S. #	Classification	WT %
Sodium Fluoride	7681-49-4	Acute Oral Tox. 3, H301 Skin Irrit. 2, H315 Eye Irritation, Category 2, H319	1-10%

The exact concentration is being withheld as a trade secret.**Refer to Section 16 for the full text of the GHS Classifications.**

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye	Immediately flush victim's eyes with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops, get medical attention. Launder clothing before re-use.
Inhalation	Not applicable.
Ingestion	If more than the normal amount used for cleaning is swallowed, drink 1-2 glasses of milk. Get immediate medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed:

Not expected to present a significant hazard under anticipated conditions of normal use. May cause eye and skin irritation. May be harmful if swallowed.

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

Immediate medical attention should not be required except in cases of high quantities of ingestion.

Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Use Chemical Foam, CO2, Dry Chemical Powder, or Water Spray. NOTE: Water may be ineffective in extinguishing the fire.

5.2 Special Hazards Arising from the Substance or Mixture:

Not determined.





5.3 Advice for Fire-Fighters:**Fire Fighting Procedures:**

General: Evacuate all personnel; use protective equipment for fire-fighting.

Precautions for Fire Fighters:

Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.

Recommended Protective Equipment for Fire Fighters:



EYES/FACE	HANDS	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Remove all ignition sources such as open flames, spark producing equipment, pilot lights, etc. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

6.2 Environmental Precautions:

Prevent entry into sewers and waterways. Report releases as required by local, state, and national authorities. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

6.3 Methods and Material for Containment and Cleaning up:
 Clean up with absorbent material and remove residue with alcohol damp wipe. Rinse spill area with water. Use non-sparking tools and equipment.

6.4 Reference to Other Sections:
 Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:
 Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly after handling. Keep away from heat, sparks, flames, and other sources of ignition.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:
 Store in a cool, dry, well-ventilated area away from heat, direct sunlight and all sources of ignition. Store away from incompatible materials. Keep container closed to prevent contamination.



7.3 Specific End Use (s): No specific end use other than that mentioned in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: No additional information available.

8.2 Exposure Controls:
Appropriate Engineering Controls: None required under normal product handling conditions.

Individual Protection Measures (PPE)
Specific Eye/face Protection: Chemical safety goggles should be worn if needed to avoid eye contact.
Specific Skin Protection: Wear impervious gloves such as natural rubber or neoprene if needed to avoid skin contact. Consult glove supplier for thickness and breakthrough times.
Specific Respiratory Protection: None should be needed under normal use. If exposure limits are exceeded an approved respirator or supplied air respirator appropriate should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.
Specific Thermal Hazards: None required.

Recommended Personal Protective Equipment			
EYES/FACE	HANDS	RESPIRATORY	SKIN
			

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:

Physical state:	Paste	Relative density:	1.50 to 2.00g/cc @25°C/77°F
Appearance:	Uniform paste	Melting Point:	Not determined
Odor:	Characteristic	Boiling Point:	Not determined
Odor threshold:	Not determined	Solubility in Water:	Partially Soluble
pH:	7.50-9.50	Other Data:	Not applicable – Product not regulated for VOC Content at State of Federal Level.

9.2 Other Information: None.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.

10.2 Chemical Stability: Stable at standard temperature and pressure.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Keep away from heat, sparks, incompatible materials, flames and other sources of ignition.

10.5 Incompatible materials: High temperatures, strong oxidizing agents. Keep away from sunlight and open flames.

10.6 Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Sodium Fluoride

Acute Oral toxicity – Rat – LD50	52 mg/kg
Acute Dermal Toxicity – Rat – LD50	175 mg/kg

12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Sodium Fluoride

Harmful to aquatic life with long lasting effects.

Oncorhynchus mykiss – LC50 static – 96h: 38-68 mg/L

Lepomis macrochirus – LC50 semi static – 96h: 830 mg/L

Pimephales promelas – LC50 semi static – 96h: 180 mg/L

Lepomis macrochirus – LC50 semi static – 96h: 530 mg/L

Pseudokirchneriella subcapitata – EC50 – 96h: 272 mg/L

Desmodesmus subspicatus – EC50 static – 72h: 850 mg/L

Daphnia magna – EC50 static – 48h: 98 mg/L

Daphnia magna – EC50 – 48h: 338 mg/L

12.2 Persistence and Degradability: No data available

12.3 Bio-accumulative Potential: No data available

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB Assessment: No data available

12.6 Other Adverse Effects: No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Regulations: Dispose in accordance with all national and local regulations.

Households: Product used in household may be disposed of in refuse or sewer.

Properties (Physical/Chemical) Affecting Disposal: None currently known.

Waste Treatment Recommendations: Dispose in accordance with national and local regulations.

US EPA: This material is not considered a hazardous waste under the United States Resource Conservation and Recovery Act when disposed.

14. TRANSPORT INFORMATION

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

U.S. Federal Regulations

Sodium Fluoride:

TSCA	Complies
DSL	Complies
NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
SARA 311/312 Hazard Categories	Acute health hazard
Clean Water Act Hazardous Substance	Sodium Fluoride CAS 7681-49-4, reportable quantity 1000lb

Comprehensive Environmental Response Compensation and Liability Act	Sodium Fluoride CAS 7681-49-4, reportable quantity 1000lb
New Jersey State Right to Know Component	Sodium Fluoride CAS 7681-49-4
Massachusetts State Right to Know Component	Sodium Fluoride CAS 7681-49-4
Pennsylvania State Right to Know Component	Sodium Fluoride CAS 7681-49-4

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

Health: 1	Flammability: 0	Reactivity: 0
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Full text of Classification abbreviations used in Section 2 and 3:

H301	Acute Oral Toxicity, Category 3
H302	Acute Oral Toxicity, Category 4
H315	Skin corrosion/irritation, Category 2
H319	Serious eye damage/eye irritation, Category 2A
H320	Serious eye damage/eye irritation, Category 2B

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Revision Summary: June 1, 2015: Converted MSDS to Reach SDS. Updated all sections. September 10, 2019:

Revised SDS. Updated all sections. October 19, 2020: Removed orthodontic Prophy paste product number. March 1, 2024: Update to revised GF-404 Rev001 Template.

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.

Manufacturer disclaimer:

FOR DENTAL USE ONLY. The information and recommendations are taken from sources (raw material MSDS(s), SDS(s) and manufacturers knowledge) believed to be accurate; however, the manufacturer makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.