



**DENTAL
TECHNOLOGIES**

Safety Data Sheet

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

Document Number: SDS 061.002

Date Revised: 03/06/24

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

1.1 Product Identifier:

Trade Name (as labeled): 2% Sodium Fluoride Rinse
Product Form: Mixture
Part/Item Number: 009-0701-002; 009-0901-002

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

Recommended Use: Topical fluoride treatment
Restrictions on Use: For Professional Use Only. Do not use on persons hypersensitive to fluoride or other formula ingredients.

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 liquid. No hazardous exposures are anticipated during normal product handling and use conditions.

GHS Classification:		
Health	Environmental	Physical
Not Hazardous	Not Hazardous	No Physical Hazards

EU Classification: Not classified

2.2 Label Elements:**Signal Word:** None

Hazard Phrases	Precautionary Phrases
None Required	None Required

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: Not Applicable**3.2 Mixture:**

Hazardous Components	C.A.S. #	Classification	WT %
Sodium Fluoride	7681-49-4	T, Xi, R25, R31, R36/R38, Acute Tox Cat 3 (Oral), H301, H315, H319	2%
Sodium Benzoate	532-32-1	H319	<1%

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS and EU 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 rinsing is swallowed, 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:

Do not expose to open flames. 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.

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:

Appearance:	Liquid	Explosive limits:	Not Available
Odor:	Various colors and flavors	Vapor pressure (mmHg):	Not Available
Odor threshold:	Not Available	Vapor density:	Not Available
pH:	6.50-7.50	Relative density:	1.00 to 1.01g/cc @25°C/77°F
Melting/freezing point:	Not available	Solubility(ies):	Soluble
Initial boiling point and boiling range:	Not available	Partition coefficient: n-octanol/water:	Not Available

Flash point:	Not available	Auto-ignition temperature:	Not Available
Evaporation rate:	Not Available	Decomposition temperature:	Not Available
Flammability (solid, gas):	Not Available	Viscosity:	0 – 50 cps

9.2 Other Information: None available.

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:

Chronic Effects:	No chronic health effects reported.
Target Organs:	No target organs reported.
Carcinogenicity	Not classified.
NTP:	No
IARC:	No

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Sodium Fluoride: Rainbow Trout 96hr LC50: 317ppm; Water flea 48hr EC50:352 mg/kg

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

UN number: N/A

14.2. UN proper shipping name

UN proper shipping name: Not Dangerous Goods

14.3. Transport hazard class(es)

Hazard classification: N/A

14.4. Packing group

Packing group: N/A

14.5. Environmental hazards

Marine Pollutant #1: N/A

14.6. Special precautions for user

ADR – road: Not Dangerous Goods

RID- rail: Not Dangerous Goods

IMDG – sea: Not Dangerous Goods

IATA – air: Not Dangerous Goods

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

Transport in bulk: Not Dangerous Goods

15. REGULATORY INFORMATION

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

U.S. Federal Regulations

EPA Registration Number: Not Applicable

TSCA – All intentionally added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: None.

U.S. States

California: This product has been evaluated and does not require warning labeling under California Proposition 6.

State Right-to-Know and CERCLA: The following ingredients present in the finished product are listed on state right-to-know lists or state work exposure lists.

Ingredient(s)	CERCLA RQ	State(s)
Sodium Fluoride ($\leq 1\%$ conc.)	1,000 lbs	Below Reporting Threshold

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:

Eye Irrit. 2B	Serious eye damage/ eye irritation Category 2A
Skin Irrit. 2A	Skin corrosion irritant Category 2
H301	Toxic if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
T	Toxic substances or preparations
Xi	Irritants
R25	Toxic if swallowed
R31	Contact with acids liberates toxic gas
R36/38	Irritating to eyes/skin
Acute Tox Cat 3	Acute Toxicity Category 3

Supersedes: March 6, 2024

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Change Control Document #: NR 4909, DCN 9320

Revision Summary: February 25, 2016: Converted MSDS to Reach SDS. Updated all sections. March 6, 2024:

Updated to revised GF-404 Rev001 Template. Revised Section 3 to remove non-hazardous components.

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.