



**DENTAL
TECHNOLOGIES**

Safety Data Sheet

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

Document Number: SDS 143.001

Date Revised: 03/15/24

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

1.1 Product Identifier:

Trade Name (as labeled): Hydrogen Peroxide Rinse, 1.5%, Peroxy Shield
Product Form: Mixture
Part/Item Number: 035-0100

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

Recommended Use: Mouth Rinse
Restrictions on Use: This product is for use as a mouth rinse only.

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:

GHS Classification:		Health	Environmental	Physical
Skin Irritant 2	(H315)	Not Hazardous	Not Hazardous	Not Hazardous
Eye Irritant 2	(H319)			

2.2 Label Elements:

Hazard pictograms (GHS-US)



GHS07

Signal Word: Warning

Hazard Phrases	Precautionary Phrases
H315 – Causes skin irritation H319 - Causes serious eye irritation	P264 Wash exposed skin thoroughly after handling. P280 Wear protective gloves, protective clothing, eye protection, and face protection. 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. P332+P313 IF SKIN irritation occurs: Get medical attention P333 Keep container tightly closed P337+P313 If eye irritation persists: Get medical 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: Not Applicable**3.2 Mixture:**

Hazardous Components	C.A.S. #	Classification	WT %
Hydrogen Peroxide	7722-84-1	Acute toxicity - Oral, Category 4, H302 Acute toxicity – Inhalation, Category 4, H332 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 1, H318 Specific target organ toxicity (single exposure), Category 3, H335 Oxidizing liquids, Category 2, H272	1 – 10%

The exact concentration is being withheld as a trade secret.

4. FIRST AID MEASURES

4.1 Description of First Aid Measures:

Eye	Immediately flush victim's eyes with large quantities of water for at least 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, get medical attention. Launder clothing before re-use.

Inhalation	Remove to fresh air. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention.
Ingestion	Drink 8 ounces of water. Obtain 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 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.

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 water damp wipe. Rinse spill area with water.

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 oxidizing agents.

7.2 Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, well-ventilated area away from heat and direct sunlight. Store away from incompatible materials (reducing agents, metals, organic matter). Keep container closed to prevent contamination.

7.3 Specific End Use (s): Mouth Rinse

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Exposure Guidelines below:

CAS	Component	Source	Value
7722-84-1	Hydrogen Peroxide	OSHA	TWA: 1 ppm TWA: 1.4 mg/m ³
		ACGIH	TWA: 1 ppm
		NIOSH	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³
		Mexico OEL	TWA: 1 ppm TWA: 1.5 mg/m ³ STEL: 2 ppm STEL: 3 mg/m ³

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:	Homogeneous Liquid	Explosive limits:	Not Available
Odor:	Mint	Vapor pressure (mmHg):	Not Available
Odor threshold:	Not Available	Vapor density:	Not Available
pH:	3.50 – 5.50	Relative density:	1.04g/cc @25°C/77°F
Melting/freezing point:	Not Available	Solubility(ies):	Soluble in water
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:	10 – 20 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, incompatible materials (reducing agents, metals, organic matter), flames and other sources of ignition.
10.5 Incompatible materials: reducing agents, metals, organic matter
10.6 Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Hydrogen Peroxide

LD50 – Oral – Rat	1193 mg/kg
LC50 – Dermal – Rabbit	>2000 mg/kg
LC50 – Inhalation – Rat	170mg/L (4 hr)
Irritation	Moderately irritating
Eye irritation	Corrosive. Risk of serious damage to eyes
Sensitization	Does not cause sensitization
Carcinogenicity	Not listed as a carcinogen

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Hydrogen Peroxide

Decomposes into oxygen and water. No adverse effects.

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: 153015 (Hydrogen Peroxide)

SARA 302: Hydrogen Peroxide 7722-84-1

SARA 313: not listed

U.S. States

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

Massachusetts Right to Know Substances: Not Applicable to drug products

New Jersey Right to Know Substances: Not Applicable to drug products

Pennsylvania Right to Know Substances: Not Applicable to drug products

15.2 Chemical Safety Assessment: None required.

16. OTHER INFORMATION

HMIS Hazard Rating:

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

H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation

Supersedes: May 22, 2020

Date updated: March 15, 2024

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Revision Summary: May 22, 2020 Initial release of document. March 15, 2024: Updated 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:

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.