

Dental Prophylaxis Paste with Fluoride

10025-10026

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**MATERIAL SAFETY DATA SHEET****SECTION 1 - IDENTIFICATION**

**Product identifier** : **Dental Prophylaxis Paste with Fluoride**

**Product Code(s)** : 10031 - 10047

**Product Use** : Dental prophylaxis treatment. Intended solely for use in a dentist office

**Chemical Family** : Mixture

**Supplier's name and address:** **A.R. Medicom Inc**  
1200 55th Avenue  
Montreal, QC, Canada  
H8T 3J8

**Manufacturer's name and address:** **Refer to Supplier**

**Information Telephone #** : (514) 636-6262 or (800) 308-6589

**24 Hr. Emergency Tel #** : (613) 996-6666 (CANUTEC)

**SECTION 2 - HAZARDS IDENTIFICATION**

**Classification** : WHMIS information: This product is not a WHMIS controlled product in Canada. This product is a Drug Product and is therefore not regulated as a Controlled Product under the Hazardous Products Act (HPA).  
  
OSHA: This product is regulated under the Food and Drugs Act as a Drug product.

**Emergency Overview** : White fine, free-flowing powder. Characteristic odor.  
Caution! May cause mild eye irritation. Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. May cause respiratory irritation.

**POTENTIAL HEALTH EFFECTS:****Signs and symptoms of short-term (acute) exposure**

*Inhalation* : May cause irritation of the nose, throat, mucous membranes, and respiratory tract.

*Skin* : No exposure symptoms reported under normal conditions of use.

*Eyes* : May cause mild transient irritation.

*Ingestion* : Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea.

**Effects of long-term (chronic) exposure**

: None expected, when used as intended.

**Carcinogenic status** : See TOXICOLOGICAL INFORMATION, Section 11.

**Additional health hazards** : See TOXICOLOGICAL INFORMATION, Section 11.

**Potential environmental effects** : See ECOLOGICAL INFORMATION, Section 12.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

<b><u>Ingredients</u></b>	<b>CAS #</b>	<b>Wt.%</b>
Glycerin	56-81-5	1.00 - 10.00
Silicon dioxide	112945-52-5	0.10 - 1.00

**SECTION 4 - FIRST AID MEASURES**

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- Inhalation** : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Get medical attention.
- Skin contact** : Wash with water and soap as a precaution. Obtain medical attention if symptoms develop and persist.
- Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention if symptoms develop and persist.
- Ingestion** : Do NOT induce vomiting. If victim is conscious give 2 glasses of water to dilute. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Seek immediate medical attention/advice.
- Notes For Physician** : Treat symptomatically.

**SECTION 5 - FIRE FIGHTING MEASURES****Fire hazards/conditions of flammability**

- : Not flammable under normal conditions of handling.

**Flammability classification (OSHA 29 CFR 1910.1200)**

- : Combustible Liquid Class III B.

**Oxidizing properties**

- : None known.

**Explosion data: Sensitivity to mechanical impact / static discharge**

- : Not expected to be sensitive to mechanical impact or static discharge.

**Suitable extinguishing media**

- : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

**Special fire-fighting procedures/equipment**

- : Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so.

**Hazardous combustion products**

- : Toxic fumes, gases or vapours may evolve on burning. Oxides of carbon.

**NFPA Rating**

- |                  |                        |                       |                               |
|------------------|------------------------|-----------------------|-------------------------------|
| 0 - Minimal      | 1 - Slight             | 2 - Moderate          | 3 - Serious                   |
| <i>Health: 1</i> | <i>Flammability: 1</i> | <i>Instability: 0</i> | <i>Special Hazards: None.</i> |

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****Personal precautions**

- : Restrict access to area until completion of clean-up. Keep all other personnel upwind and away from the spill/release. Individuals involved in the cleanup must wear appropriate personal protective equipment. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

- : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces.

**Spill response/cleanup**

- : Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

**Prohibited materials**

- : None known.

**Special spill response procedures**

- : If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).  
US CERCLA Reportable quantity (RQ): None reported.

**SECTION 7 - HANDLING AND STORAGE****Safe Handling procedures**

- : Use only in well-ventilated areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid contact with incompatible materials. Keep container tightly closed when not in use. Wash thoroughly after handling.

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- Storage requirements** : Store in a cool, dry, well ventilated area, away from heat and ignition sources. Store away from incompatibles and out of direct sunlight. No smoking in the area. Inspect periodically for damage or leaks.
- Incompatible materials** : Strong oxidizers, acids and bases. Hydrofluoric acid.
- Special packaging materials** : Always keep in containers made of the same materials as the supply container.

**SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION**

<u>Exposure Limits</u>				
<u>Ingredients</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Glycerin	10 mg/m <sup>3</sup> (mist)	N/Av	15 mg/m <sup>3</sup> (mist, total particulate); 5 mg/m <sup>3</sup> (mist, respirable fraction)	N/Av
Silicon dioxide	N/Av	N/Av	N/Av	N/Av

**Ventilation and engineering measures**

- : Do not use in closed or confined space. Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

**Respiratory protection** : Not required under normal conditions of handling. If dust is expected, wear face mask.

**Skin protection** : Wear general purpose examination gloves.

**Eye / face protection** : Safety goggles or glasses as appropriate for the job.

**Other protective equipment** : An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Remove and wash contaminated clothing before re-use.

**General hygiene considerations**

- : Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

- |  |  |
|--|--|
| <b>Physical state</b> : powder                       | <b>Appearance</b> : white                            |
| <b>Odour</b> : Characteristic odour.                 | <b>Odour threshold</b> : N/Av                        |
| <b>pH</b> : 8.1                                      |  |
| <b>Boiling point</b> : N/Av                          | <b>Specific gravity</b> : 0.88                       |
| <b>Melting/Freezing point</b> : N/Av                 | <b>Coefficient of water/oil distribution</b> : N/Av  |
| <b>Vapour pressure (mmHg @ 20° C / 68° F)</b> : N/Av | <b>Solubility in water</b> : N/Av                    |
| <b>Vapour density (Air = 1)</b> : N/Av               | <b>Evaporation rate (n-Butyl acetate = 1)</b> : N/Av |
| <b>Volatile organic Compounds (VOC's)</b> : N/Av     | <b>Volatiles (% by weight)</b> : N/Av                |
| <b>Flash point</b> : N/Av                            |  |
| <b>Flash point Method</b> : N/Av                     | <b>Auto-ignition temperature</b> : N/Av              |
| <b>Lower flammable limit (% by vol.)</b> : N/Av      | <b>Upper flammable limit (% by vol.)</b> : N/Av      |
| <b>Flame Projection Length</b> : N/Av                | <b>Flashback observed</b> : N/Av                     |
| <b>Viscosity</b> : N/Av                              |  |

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**Absolute pressure of container**

: N/Av

**Section 10: Stability And Reactivity**

- Stability and reactivity** : Stable under recommended storage conditions.
- Hazardous polymerization** : Hazardous polymerisation does not occur.
- Conditions to avoid** : Keep out of direct sunlight. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not use in areas without adequate ventilation.

**Materials To Avoid And Incompatibility**

: See Section 7 (Handling and Storage) for further details.

**Hazardous decomposition products**

: Refer to Section 5 for additional 'Hazardous combustion products'.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

- Target organs** : Eyes; Respiratory system; Digestive system
- Routes of exposure** : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES
- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Ingredients</u>	<u>LC<sub>50</sub>(4hr)</u>	<u>LD<sub>50</sub></u>	
	<u>inh, rat</u>	<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Glycerin	>570 mg/m <sup>3</sup> 1 h	12600 mg/kg	>21900 mg/kg
Silicon dioxide	N/Av	3160 mg/kg	N/Av

- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP. Note that this product contains ethanol, a confirmed animal carcinogen (A3) by the ACGIH and human carcinogen (Group 1) by the IARC; however, this is only applicable when the chemical is present in alcoholic beverages.
- Reproductive effects** : Not expected to cause reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans. Ethanol has been shown to cause mutagenic effects but at extremely high oral doses, which are not applicable in an occupational setting.
- Epidemiology** : Not available.
- Sensitization to material** : Not expected to be a skin or respiratory sensitizer.
- Synergistic materials** : N/Av
- Irritancy** : May cause eye and skin irritation. May cause gastrointestinal irritation.
- other important hazards** : None known.
- Conditions aggravated by overexposure** : Pre-existing skin, eye and respiratory disorders.

**SECTION 12 - ECOLOGICAL INFORMATION**

- Ecotoxicity** : No data is available on the product itself. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
- Mobility** : No data is available on the product itself.
- Persistence** : The active ingredient is readily biodegradable.
- Bioaccumulation potential** : No data is available on the product itself.
- Other Adverse Environmental effects** : No data is available on the product itself.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

- Handling for Disposal** : Handle waste according to recommendations in Section 7.

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- Methods of Disposal** : Improper disposal can cause damage to the environment. Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA** : It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

**SECTION 14: TRANSPORT INFORMATION**

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None.	Not regulated.	Not regulated	none	
<b>TDG Additional information</b>	None.				
49CFR/DOT	None.	Not regulated.	Not regulated	none	
<b>49CFR/DOT Additional information</b>	None.				

**SECTION 15 - REGULATORY INFORMATION**

**US Federal Information:**

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

**US State Right to Know Laws:**

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Glycerin (MA, MN, NJ, PA, RI).

**International Information:**

WHMIS information: Refer to Section 2 for a WHMIS Classification for this product.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.**

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**SECTION 16 - OTHER INFORMATION**

**HMIS Rating** : \* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious  
*Health:* 1 *Flammability:* 1 *Reactivity:* 0

**Legend** : ACGIH: American Conference of Governmental Industrial Hygienists  
CA: California  
CAS: Chemical Abstract Services  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CNS: Central Nervous System  
DOT: Department of Transportation  
HMIS: Hazardous Materials Identification System  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
Inh: Inhalation  
LC: Lethal Concentration  
LD: Lethal Dose  
MA: Massachusetts  
MN: Minnesota  
MSHA: Mine Safety and Health Administration  
N/Ap: Not Applicable  
N/Av: Not Available  
NFPA: National Fire Protection Association  
NIOSH: National Institute of Occupational Safety and Health  
NJ: New Jersey  
NTP: National Toxicology Program  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania  
PEL: Permissible exposure limit  
RCRA: Resource Conservation and Recovery Act  
RI: Rhode Island  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
WHMIS: Workplace Hazardous Materials Identification System

**References** : 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2012  
2. International Agency for Research on Cancer Monographs, searched 2012  
3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases (Chempendium, HSDB and RTECs). (2012)  
4. Material Safety Data Sheets from manufacturer.  
5. US EPA Title III List of Lists (July 2011)  
6. California Proposition 65 List (16 March 2012)

**Prepared for:**A.R. Medicom Inc  
1200 55th Avenue  
Montreal, QC, Canada, H8T 3J8  
Telephone: (514) 636-6262  
Direct all enquiries to: A.R. Medicom Inc**MEDICOM**<sup>®</sup>

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**Prepared by:**ICC The Compliance Center Inc.  
<http://www.thecompliancecenter.com>**DISCLAIMER OF LIABILITY**

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