

Denticare 0.12% CHG Oral Rinse

10025-10026

MSDS Preparation Date (mm/dd/yyyy): 07/05/2012

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MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product identifier : Denticare 0.12% CHG Oral Rinse

Product Code(s) : 10025H; 10025; 10026

Product Use : Ideal for professional use and in conjunction with home care for gingivitis, periodontitis, oral

irrigation, and post operative healing.

Chemical Family : Alcohol solution.

Supplier's name and address: Manufacturer's name and address:

A.R. Medicom Inc Refer to Supplier

1200 55th Avenue Montreal, QC, Canada

H8T 3J8

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: Clear, light green liquid. Mint-like odour.

Caution! May cause respiratory irritation. May cause mild eye irritation. May cause respiratory irritation. Ingestion of large amounts may cause nausea, vomiting, diarrhea, as well as depression of the central nervous system. Possible irritation and dermatitis (rash),

characterized by red, dry, itching skin. Contains ethanol.

POTENTIAL HEALTH EFFECTS:

Signs and symptoms of short-term (acute) exposure

Inhalation: Inhalation of vapours or mists may cause irritation to the nose, throat and upper respiratory tract.

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

Eyes : May cause mild transient irritation.

Ingestion: May cause irritation of mouth and throat. Ingestion of larger amounts may cause defects to the central

nervous system (e.g. dizziness, headache).

Effects of long-term (chronic) exposure

: Prolonged or repeated skin contact may cause defatting and drying resulting in irritation and

possible dermatitis.

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

<u>Ingredients</u>	CAS#	Wt.%
Ethanol	64-17-5	1.00 - 10.00



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Glycerin 56-81-5 1.00 - 10.00

SECTION 4 - FIRST AID MEASURES

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)

: Flammable Liquid Class 1C.

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.

NFPA Rating 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious

Health: 1 Flammability: 3 Instability: 0 Special Hazards: None.

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.

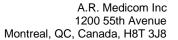
Special spill response procedures

: 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.





Safe Handling procedures

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: 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.

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 : Hydrogen peroxide; Alkali metals; Strong oxidizing agents; Acids.

Special packaging materials : Always keep in containers made of the same materials as the supply container.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits					
	ACGIH	ACGIH TLV		OSHA PEL	
<u>Ingredients</u>	<u>TWA</u>	STEL	<u>PEL</u>	STEL	
Ethanol	N/Av	1000 ppm	1000 ppm ; 1900 mg/m³	N/Av	
Glycerin	10 mg/m³ (mist)	N/Av	15 mg/m³ (mist, total particulate) ; 5 mg/m³ (mist, respirable fraction)	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.

Skin protection : Not required under normal conditions of handling.

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

 Physical state
 : Liquid.
 Appearance
 : light green

 Odour
 : Mint-like odour.
 Odour threshold
 : N/Av

pH : 5.0 - 7.0

Boiling point : N/Av Specific gravity : 1.0 - 1.1

Melting/Freezing point : N/Av Coefficient of water/oil distribution

: N/Av

Vapour pressure (mmHg @ 20° C / 68° F) Solubility in water : N/Av

: N/Av

Vapour density (Air = 1) : N/Av Evaporation rate (n-Butyl acetate = 1)

: N/Av

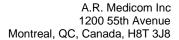
Volatile organic Compounds (VOC's)

Volatiles (% by weight) : N/Av

: N/Av

Flash point : N/Av

Flash point Method : N/Av Auto-ignition temperature : N/Av



Ingestion: YES



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Lower flammable limit (% by vol.)

N/Av

: N/Av

Flame Projection Length : N/Ap

Flashback observed

Viscosity N/Av : N/Ap

Upper flammable limit (% by vol.)

Absolute pressure of container

: N/Ap

Section 10: Stability And Reactivity

Stability and reactivity Hazardous polymerization Stable under recommended storage conditions.

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

Toxicological data There is no available data for the product itself, only for the ingredients. See below

for individual ingredient acute toxicity data.

	LC50(4hr)	LD50		
<u>Ingredients</u>	inh, rat	(Oral, rat)	(Rabbit, dermal)	
Ethanol	>32380 ppm	7060 mg/kg	>15800 mg/kg	
Glycerin	>570 mg/m³ 1H	12600 mg/kg	>21900 mg/kg	

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

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

: The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

The acute toxicity of Ethanol is (IUCLID):

Toxicity to fish: LC50/96h/Pimephales promelas (Fathead minnow) = 14.2 - 15.3 mg/L Toxicity to invertebrates EC50/48h/Daphnia magna (Water flea) = 9268 - 14221 mg/L



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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.

Methods of Disposal : Improper dispo

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: TRANPORT INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	None.	Not regulated.	Not regulated	none	\otimes
TDG Additional information	None.				
49CFR/DOT	None.	Not regulated.	Not regulated	none	\otimes
49CFR/DOT Additional information	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. Chronic 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.

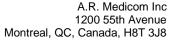
SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: This product does contain ethyl alcohol, which is known to the State of California to cause developmental harm; however, this is only applicable when the chemical is present in alcoholic beverages.

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

International Information:





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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.

SECTION 16 - OTHER INFORMATION

HMIS Rating : *- Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious

Health: 1 Flammability: 3 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

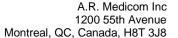
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases

(Chempendium, HSDB and RTECs). (2012)

4. Material Safety Data Sheets from manufactuer.

5. US EPA Title III List of Lists (July 2011)

6. California Proposition 65 List (16 March 2012)





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