

Material Safety Data Sheet



Issuing Date: 10-Jul-2014

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Version 1

1. PRODUCT AND COMPANY INFORMATION

Product ID:	98854209_PROF_NA
Product Name	Pro-Health Clinical Gum
Product Type	Finished Product - Consumer (Retail) and Professional Use
Recommended Use	Health Care
Synonyms	No information available
Manufacturer	The Procter & Gamble Company Mason Business Center 8700 Mason-Montgomery Road Mason, OH 45040-9462
E-mail Address	pgsds.im@pg.com
Emergency Telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531

2. HAZARDS IDENTIFICATION

Emergency Overview

This mixture is not considered a hazard when used according to label directions.

OSHA regulatory status	Consumer Products as defined by the U.S. Consumer Product Safety Act which are used as intended (typical consumer duration and frequency) are exempt from the OSHA Hazard Communication Standard.
WHMIS	WHMIS hazardous composition: No ingredients are hazardous according to the Controlled Products Regulation criteria.
Principle routes of exposure	Eye contact. Skin contact. Ingestion.
General hazards	This is a personal care product that is safe for consumers and other users under normal and reasonably foreseeable use.

3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous ingredients**

Chemical Name	CAS-No	Weight %
Glycerin	56-81-5	15 - 40
Silica gel, pptd., cryst.-free	112926-00-8	10 - 30
Polyphosphoric acids, sodium salts	68915-31-1	10 - 30
Hydrated Silica	1343-98-2	5 - 10
Propylene glycol	57-55-6	5 - 10
Tin chloride (SnCl ₂)	7772-99-8	0.1 - 1

4. FIRST AID MEASURES

General advice	No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, call a physician.
Skin contact	Wash off with warm water and soap. If symptoms persist, call a physician.
Ingestion	Call a physician or poison control center immediately if overdosed.
Inhalation	Not an expected route of exposure.
Protection of first-aiders	Use personal protective equipment.
Most important symptoms/effects, acute and delayed	None known.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point	Not Applicable
Suitable extinguishing media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.
Extinguishing media which shall not be used for safety reasons	No information available.
Special hazard	None known based on information supplied.
Special protective equipment for fire-fighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Non-household: Use personal protective equipment.
Advice for emergency responders	Use personal protective equipment.
Environmental precautions	Household: Product is safe to dispose of in household garbage or down the drain. Non-household: Do not discharge product into natural waters without pre-treatment or adequate dilution.

Methods for containment	Non-household: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for cleaning up	Household: Wipe up with absorbent material (e.g. cloth, fleece). Non-household: Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on safe handling	Keep out of the reach of children. Avoid contact with eyes.
Technical measures/Storage conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name		CAS-No	ACGIH TLV	OSHA PEL	Mexico PEL
Glycerin		56-81-5		TWA: 15 mg/m³ mist, total particulate TWA: 5 mg/m³ mist, respirable fraction (vacated) TWA: 10 mg/m³ mist, total particulate (vacated) TWA: 5 mg/m³ mist, respirable fraction	Mexico: TWA 10 mg/m³
Silica gel, pptd., cryst.-free		112926-00-8		(vacated) TWA: 6 mg/m³ TWA: 20 mppcf : (80)/(%) SiO2) mg/m³ TWA	Mexico: TWA 10 mg/m³
Hydrated Silica		1343-98-2		20 mppcf TWA; (80)/(%)SiO2) mg/m³ TWA	-
Tin chloride (SnCl2)		7772-99-8	TWA: 2 mg/m³ Sn except Tin hydride	TWA: 2 mg/m³ Sn except oxides (vacated) TWA: 2 mg/m³ Sn except oxides	Mexico: TWA 2 mg/m³ Mexico: STEL 4 mg/m³
Chemical Name	CAS-No	Alberta	Quebec	Ontario TWA/EV	British Columbia
Glycerin	56-81-5	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³	TWA: 10 mg/m³ TWA: 3 mg/m³
Silica gel, pptd., cryst.-free	112926-00-8		TWA: 6 mg/m³	TWA: 10 mg/m³	TWA: 4 mg/m³ TWA: 1.5 mg/m³
Hydrated Silica	1343-98-2		TWA: 6 mg/m³	TWA: 10 mg/m³	
Propylene glycol	57-55-6			TWA: 10 mg/m³ TWA: 50 ppm TWA: 155 mg/m³	
Tin chloride (SnCl2)	7772-99-8	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 2 mg/m³	TWA: 2 mg/m³

Legend:

TLV - Threshold Limit Value
 TWAEV - Time Weighted Average Exposure Value
 ACGIH: (American Conference of Governmental Industrial Hygienists)
 OSHA: (Occupational Safety & Health Administration)
 PEL - Permissible Exposure Limit

Engineering Measures	Non-household: Ensure adequate ventilation.
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Personal Protective Equipment

Eye Protection	Non-household: Safety glasses with side-shields.
Hand Protection	Non-household: Rubber/latex/neoprene or other suitable chemical resistant gloves.
Skin and Body Protection	Non-household: No special protective equipment required.
Respiratory Protection	Non-household: None under normal use conditions.

Thermal hazards	Not applicable.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	See section 6 for more information.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C	liquid
Appearance	light blue. light green. paste. blue. specks.
Odor	Wintergreen oil

<u>Property</u>	<u>Values</u>	<u>Note</u>
pH value	4.8 - 6.2	
Melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash point	Not Applicable	
Evaporation rate	No information available	
flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper flammability limit	No information available	
Lower Flammability Limit	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	1.37 - 1.5	
Water solubility	partly soluble	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	.
Decomposition temperature	No information available	.
Viscosity of Product	10 - 180 Bku	
Bulk Density	No information available	

Chemical Name	Partition Coefficient (n-octanol/water)
Propylene glycol	-1.07

VOC Content (%)	Products comply with US state and federal regulations for VOC content in consumer products.
Oxidizing properties	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity Product does not present an acute toxicity hazard based on known or supplied information.

Principle routes of exposure Eye contact. Skin contact. Ingestion.

Inhalation No known effect based on information supplied.
Skin contact No known effect based on information supplied.
Ingestion No known effect based on information supplied.
Eye contact No known effect based on information supplied.

Chemical Name	CAS-No	LD50 Oral	LD50 Dermal	LC50 Inhalation
Glycerin	56-81-5	-	-	> 2.75 mg/L (Rat)
Propylene glycol	57-55-6	22000 mg/kg (rat)	> 2000 mg/kg bw (Guideline not indicated; fixed dose procedure; rabbit)	> 317.042 mg/L (Guideline not indicated; rabbit; 2 h)
Tin chloride (SnCl ₂)	7772-99-8	-	-	2 mg/L air (Read across data (test substance name not indicated); OECD 436; acute toxic class method; rat; 4 h)

Chronic Toxicity

Corrosivity No known effect.
Sensitization No known effect.
Neurological Effects No known effect.
Reproductive toxicity The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.
Germ cell mutagenicity There are no known mutagenic chemicals in this product.
Developmental toxicity No known effect.
Teratogenicity No known effect.
Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Under normal use conditions as recommended: The product is not expected to be hazardous to the environment. The product is not expected to be hazardous to waste watertreatment processes.

Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Propylene glycol	57-55-6	19300 (OECD 201; Skeletonema costatum; static; saltwater; growth rate)	40613 mg/L (Guideline: Environment Canada (1990); Oncorhynchus mykiss; static; freshwater)	-	18800 mg/L (Guideline: US EPA FIFRA 72-3 (TSCA 797.1950); Americamysis bahia; static; saltwater; mortality)	6983 mg/kg sediment dw (Guideline: OSPARCOM guidelines; Corophium volutator; short-term toxicity; static; saltwater; 10 d)
Tin chloride (SnCl ₂)	7772-99-8	0.21 mg/L (Guideline not indicated; Skeletonema costatum; static; saltwater; growth rate; based on element concentration)	9 mg/L (Read across data (test substance name not indicated); guideline not indicated; Tapes decussata; static; saltwater)	EC50: 0.00235 mg/L (Read across data on CAS# 53408-94-9; guideline: German Water Hazard Classification Scheme and ISO 10712; Pseudomonas putida; static; freshwater)	22 mg/L (Guideline not indicated; Daphnia magna; static; freshwater; based on element concentration)	3.6 mg/L (Guideline not indicated; Chironomus plumosus; static; freshwater; based on element concentration; 96 h)
Chemical Name	CAS-No	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Propylene glycol	57-55-6	< 5300 mg/L (OECD 201; Skeletonema costatum; static; saltwater; growth rate)		NOEC: > 20000 mg/L (Guideline not indicated; Pseudomonas putida; freshwater; 18 h)	13020 mg/L (EPA 600/4-89/001; Ceriodaphnia sp.; semi-static; freshwater)	1368.77 mg/kg sediment dw (Guideline: OSPARCOM guidelines; Corophium volutator; short-term toxicity; static; saltwater; 10 d)
Tin chloride (SnCl ₂)	7772-99-8					5 mg/kg soil dw (Read across data (test substance not indicated); guideline not indicated; Pisum sativum; artificial soil; based on element concentration; test time not indicated)

Persistence and degradability Product is biodegradable.

Chemical Name	Ready Test Results	Persistence and degradability
Propylene glycol	81.7 % (OECD 301 F; aerobic; activated sludge, domestic (adaptation not specified); CO ₂ evolution; meets 10-d window criterion)	95.8 % (OECD 306; aerobic; natural water; DOC removal; 64 d)

Tin chloride (SnCl ₂)	80 % (Guideline not indicated; natural water / sediment; Radiochem. meas.; 22.047 d; WoE data)	
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Bioaccumulative potential Bioaccumulation is unlikely.

Chemical Name	Bioconcentration factor (BCF)
Propylene glycol	0.09 (Calculated value)
Tin chloride (SnCl ₂)	6.41

Mobility Is not likely mobile in the environment.

Chemical Name	KOC Values
Propylene glycol	2.9 (Calculated value; TGD (non-hydrophobics) method)

Other adverse effects No known effect.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products **Household:** Product is safe to dispose of in household garbage or down the drain. **Non-household:** The product is not expected to be hazardous to waste watertreatment processes.

Contaminated packaging Dispose of in accordance with local regulations.

Additional information Consumer products ending up down the drain after use. Inherently biodegradable

California Hazardous Waste Codes (non-household setting) 331

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

IATA Not regulated

ICAO Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Zinc, bis[2-(hydroxy-kappaO)propanoato-kappaO]-, (T-4)-	16039-53-5	1.6549	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):.

Chemical Name	CAS-No	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Phosphoric acid, sodium salt (1:3)	7601-54-9	5000 lb	-

Food and Drug Administration (FDA)

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):.

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc, bis[2-(hydroxy-kappaO)propanoato-kappaO]-, (T-4)-	-	X	-	-
Phosphoric acid, sodium salt (1:3)	5000 lb	-	-	X

U.S. State Regulations (RTK)

Chemical Name	New Jersey
Glycerin	X
Silica gel, pptd., cryst.-free	X
Propylene glycol	X
Zinc, bis[2-(hydroxy-kappaO)propanoato-kappaO]-, (T-4)-	X

Chemical Name	Massachusetts
Glycerin	X
Silica gel, pptd., cryst.-free	X
Sulfuric acid sodium salt (1:2)	X

Chemical Name	Pennsylvania
Glycerin	X
Silica gel, pptd., cryst.-free	X
Propylene glycol	X
Zinc, bis[2-(hydroxy-kappaO)propanoato-kappaO]-, (T-4)-	X
Sulfuric acid sodium salt (1:2)	X
Methyl salicylate	X
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, sodium salt (1:1)	X
Carrageenan	X
Titanium oxide (TiO ₂)	X
Phosphoric acid, sodium salt (1:3)	X
Tin fluoride (SnF ₂)	X

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

International Regulations**Canada****WHMIS Statement**

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

International Inventories**TSCA**

Product is a personal care product and regulated under FDA.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

16. OTHER INFORMATION

Issuing Date:	10-Jul-2014
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Reason for revision	Initial Release.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of MSDS