

# Material Safety Data Sheet



**Issuing Date:** 10-Jul-2014

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**Version** 1

## 1. PRODUCT AND COMPANY INFORMATION

<b>Product ID:</b>	99867882_PROF_NA
<b>Product Name</b>	Pro-Health Clinical Plaque Control
<b>Product Type</b>	Finished Product - Consumer (Retail) and Professional Use
<b>Recommended Use</b>	Health Care
<b>Synonyms</b>	No information available
<b>Manufacturer</b>	The Procter & Gamble Company Mason Business Center 8700 Mason-Montgomery Road Mason, OH 45040-9462
<b>E-mail Address</b>	pgsds.im@pg.com
<b>Emergency Telephone</b>	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.

<b>OSHA regulatory status</b>	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.
<b>WHMIS</b>	WHMIS hazardous composition: No ingredients are hazardous according to the Controlled Products Regulation criteria.
<b>Principle routes of exposure</b>	Eye contact. Skin contact. Ingestion.
<b>General hazards</b>	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 <sub>2</sub> )	7772-99-8	0.1 - 1
Mentha Piperita Oil	8006-90-4	0.1 - 1
Cinnamal	104-55-2	0.1 - 1

### 4. FIRST AID MEASURES

<b>General advice</b>	No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.
<b>Eye contact</b>	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.
<b>Skin contact</b>	Wash off with warm water and soap. If symptoms persist, call a physician.
<b>Ingestion</b>	Call a physician or poison control center immediately if overdosed.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Protection of first-aiders</b>	Use personal protective equipment.
<b>Most important symptoms/effects, acute and delayed</b>	None known.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

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

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	<b>Non-household:</b> Use personal protective equipment.
<b>Advice for emergency responders</b>	Use personal protective equipment.
<b>Environmental precautions</b>	<b>Household:</b> Product is safe to dispose of in household garbage or down the drain. <b>Non-household:</b> 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.

**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.

<b>Respiratory Protection</b>	<b>Non-household:</b> None under normal use conditions.
<b>Thermal hazards</b>	Not applicable.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	See section 6 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State @20°C</b>	liquid
<b>Appearance</b>	white. Off-white. paste. blue-green. specks.
<b>Odor</b>	Mint-like

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

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

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

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions</b>	None under normal processing.
<b>Conditions to Avoid</b>	None under normal processing.
<b>Materials to avoid</b>	None in particular.
<b>Hazardous Decomposition Products</b>	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 <sub>2</sub> )	7772-99-8	-	-	2 mg/L air (Read across data (test substance name not indicated); OECD 436; acute toxic class method; rat; 4 h)
Mentha Piperita Oil	8006-90-4	= 2426 mg/kg ( Rat )	-	-
Cinnamal	104-55-2	-	1100 mg/kg	-

### 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 <sub>2</sub> )	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 <sub>2</sub> )	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 <sub>2</sub> evolution; meets 10-d window criterion)	95.8 % (OECD 306; aerobic; natural water; DOC removal; 64 d)

Tin chloride (SnCl <sub>2</sub> )	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 <sub>2</sub> )	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
Carrageenan	X
Titanium oxide (TiO <sub>2</sub> )	X
Phosphoric acid, sodium salt (1:3)	X
Tin fluoride (SnF <sub>2</sub> )	X
1,2-Benzisothiazol-3(2H)-one, 1,1-dioxide, sodium salt (1:1)	X
Methyl salicylate	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**

<b>Issuing Date:</b>	10-Jul-2014
<b>Revision Date:</b>	10-Jul-2014
<b>Reason for revision</b>	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**