

# MATERIAL SAFETY DATA SHEET — 16 Sections

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier <b>safeHands</b>		[WHMIS Classification]	
Product Use <b>Antiseptic Hand Sanitizer</b>			
Manufacturer's Name <b>safehands</b>		Supplier's Name <b>safeHands</b>	
Street Address <b>1733 Avenida del Sol</b>		Street Address <b>1751 Avenida del Sol</b>	
City <b>Boca Raton</b>	Province <b>FL</b>	City <b>Boca Raton</b>	Province <b>FL</b>
Postal Code <b>33432</b>	Emergency Telephone <b>(888) 338-1338</b>	Postal Code <b>33432</b>	Emergency Telephone <b>(888) 338-1338</b>
Date MSDS Prepared <b>7/17/2015</b>	MSDS Prepared By <b>Karryn Nicholson</b>	Phone Number <b>(888) 338-1338</b>	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients ( <i>specific</i> )	%	CAS Number	LD <sub>50</sub> of Ingredient ( <i>specify species and route</i> )	LC <sub>50</sub> of Ingredient ( <i>specify species</i> )
Water	60-100	7732-18-5		
Cocamidopropyl pg-dimonium	1-5	170137-14-1		
Chlorohexidine digluconate	1-5	18472-51-0		
Propylene Glycol	0.1-1	57-55-6		
Triethylene Glycol	0.1-1	112-27-6		
Benzalkonium Chloride	0.1-1	63449-41-2		

## SECTION 3 — HAZARDS IDENTIFICATION

Route of Entry	<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input checked="" type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
[Emergency Overview]	<b>None</b>				
WHMIS Symbols]					
Potential Health Effects	<b>May cause eye irritation</b>				

## SECTION 4 — FIRST AID MEASURES

Skin Contact	None necessary under normal use conditions. Wash skin with soap and water Seek medical attention if irritation develops.
Eye Contact	Irrigate immediately with running water. Although rare, seek medical attention if irritation develops or persists.
Inhalation	Seek medical attention if respiratory irritation develops
Ingestion	If swallowed, give 3 to 4 glasses of water. If vomiting does occur, give fluids again.

SAMPLE FORMAT PROVIDED BY THE WORKERS' COMPENSATION BOARD OF BRITISH COLUMBIA

**57M6** (6/99)

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### SECTION 5 — FIRE FIGHTING MEASURES

Flammable <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		If yes, under which conditions?	
Means of Extinction    Use extinguishing measures that are appropriate to local circumstances and the surrounding area			
Flashpoint (° C) and Method    5001c/9034f		Upper Flammable Limit (% by volume)    N/A	Lower Flammable Limit (% by volume)    N/A
Autoignition Temperature (°C)    N/A		Explosion Data — Sensitivity to Impact    N/A	Explosion Data — Sensitivity to Static Discharge    N/A
Hazardous Combustion Products    carbon oxides			
[NFPA] Health Hazard 1 – Flammability - 0 Stability - 0			

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Material is slippery. For large spills, wear appropriate protective clothing for recovery and disposal. Small spills may be absorbed with paper towels and disposed in a regular container. Waste Disposal method: Dispose in sewer with water in accordance with federal, state and local regulations
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### SECTION 7 — HANDLING AND STORAGE

Handling Procedures and Equipment Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.
Storage Requirements Keep tightly closed in a cool dry place. Non-corrosive via USDOT test for skin corrosiveness.

### SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits <input type="checkbox"/> ACGIH TLV <input type="checkbox"/> OSHA PEL <input type="checkbox"/> Other (specify)
Specific Engineering Controls (such as ventilation, enclosed process) This product does not contain any material
Personal Protective Equipment <input type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input type="checkbox"/> Eye <input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Physical State <b>Liquid</b>	Odour and Appearance <b>Fragranced</b>	Odour Threshold (ppm) <b>N/A</b>
Specific Gravity <b>N/A</b>	Vapour Density (air = 1) <b>N/A</b>	Vapour Pressure (mmHg) <b>N/A</b>
Evaporation Rate <b>N/A</b>	Boiling Point (° C) <b>212 c / 414 f</b>	Freezing Point (° C) <b>N/A</b>
pH <b>5.6</b>	Coefficient of Water/Oil Distribution <b>N/A</b>	[Solubility in Water] <b>Completely</b>

**SECTION 10 — STABILITY AND REACTIVITY**

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
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Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
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Reactivity, and under what conditions?
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Hazardous Decomposition Products
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Carbon Oxides
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**SECTION 11 — TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure				
	<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
	Propylene Glycol	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
	Triethylene glycol	= 15000 mg/kg ( Rat )	> 20 mL/kg ( Rabbit )	-

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Effects of chronic exposure
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<b>NONE</b>
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Irritancy of Product
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Skin sensitization	Respiratory sensitization
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Carcinogenicity-IARC	Carcinogenicity - ACGIH
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Reproductive toxicity	Teratogenicity
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Embrototoxicity	Mutagenicity
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Name of synergistic products/effects
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**SECTION 12 — ECOLOGICAL INFORMATION**

[Aquatic Toxicity]

**Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
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Triethylene glycol		LC50: 61000 mg/L (96 h flow-through) Lepomis macrochirus LC50: 10000 mg/L (96 h static) Lepomis macrochirus LC50: 56200-63700 mg/L (96 h flow-through) Pimephales promelas	EC50 = 850 mg/L 5 min	EC50: 42426 mg/L (48 h) Daphnia magna
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Chemical Name	Log Pow
Propylene Glycol	-0.32
Triethylene glycol	-1.98

Propylene Glycol	EC50: 19000 mg/L (96 h) Pseudokirchneriella subcapitata	LC50: 51600 mg/L (96 h static) Oncorhynchus mykiss LC50: 41 - 47 mL/L (96 h static) Oncorhynchus mykiss LC50: 710 mg/L (96 h) Pimephales promelas LC50: 51400 mg/L (96 h static) Pimephales promelas	EC50: > 1000 mg/L (48 h Static) Daphnia magna EC50: > 10000 mg/L (24 h) Daphnia magna
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**SECTION 13 — DISPOSAL CONSIDERATIONS**

**Waste Disposal** **Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Dispose of in accordance with local regulations.

**California Hazardous Waste Codes** 135

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**SECTION 14 — TRANSPORT INFORMATION**

<u>DOT</u>	NOT REGULATED
<u>TDG</u>	Not regulated
<u>MEX</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated

### SECTION 15 — REGULATORY INFORMATION

[WHMIS Classification] NOT REGULATED	[OSHA] NOT REGULATED
[SERA] NOT REGULATED	[TSCA] NOT REGULATED
<i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i>	

### SECTION 16 — OTHER INFORMATION
