

Fire Soaps  
780 East 134<sup>th</sup> Street  
Bronx, New York 10454  
718.502.9577

HMIS	
Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	N/A

# Fire Soaps™ Hand Sanitizer

## MATERIAL SAFETY DATA SHEET

Emergency Phone: **1.800.424.9300**  
Non-Emergency Phone: **1.718.502.9577**

Last Revision Date: **9/3/2011**  
Print Date: **7/12/2013**

### Section 01: PRODUCT IDENTIFICATION

**PRODUCT CODE:** 93300  
**PRODUCT NAME:** FIRE SOAPS™ HAND SANITIZER  
**FORMULA:** Mixture  
**CHEMICAL FAMILY:** Surfactant  
**FDA Status:** Approved  
**U.S. EPA #:** N/A  
**NSF Registration #:** N/A

### Section 02: COMPOSITION/ INFORMATION ON INGREDIENTS

	<u>CAS Number</u>	<u>Weight</u>
Benzalkonium Chloride	8001-54-5	0.10%
Water	7732-18-5	

(Note: see Section 8 of this MSDS for Exposure Guidelines)

### Section 03: HAZARDS IDENTIFICATION

**INHALATION:** N/A  
**SKIN:** No Irritation or reaction is expected  
**EYES:** Direct contact can cause pain & irritation.  
**INGESTION:** Direct contact or exposure may cause irritation. Ingestion of large amounts may cause gastrointestinal discomfort including irritation, nausea and diarrhea.

### Section 04: FIRST AID MEASURES

**INHALATION:** N/A  
**SKIN:** N/A  
**EYES:** Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids, with water. Seek medical attention if irritation develops or persists.  
**INGESTION:** Give 3-4 glasses of water, but **DO NOT INDUCE VOMITING**. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

### Section 05: FIRE FIGHTING MEASURES

**Flash Point (PMCC):** > 200°F  
**Flammability:** Not combustible  
**Autoignition Temp.:** N/D  
**Extinguishing media:** Dry chemical, water, foam, CO<sub>2</sub>  
**Special fire fighting procedures:** N/A  
**Unusual fire & explosion hazard:** N/A

### Section 06: ACCIDENTAL RELEASE MEASURES

**Spill/leak procedure:** Floor may become slippery. Dike and contain large spills with inert material (sand, earth, ...) and transfer for disposal. Keep spill out of sewers and open bodies of water.

### Section 07: HANDLING & STORAGE

**Handling:** As with all chemicals, good industrial hygiene practices should be followed when handling large quantities of this material.  
**Storage:** Store upright and in original container. Keep from freezing.

### Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Respiratory protection:** None required under normal use conditions.  
**Eye protection:** None required under normal use conditions.  
**Gloves:** None required under normal use conditions.  
**Protective clothing:** None required under normal use conditions.  
**Other precautions:** None required under normal use conditions.

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## MATERIAL SAFETY DATA SHEET

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### Section 09: PHYSICAL & CHEMICAL PROPERTIES

<b>Boiling Point:</b>	100°C	<b>Molecular Weight:</b>	N/D
<b>pH (10% Solution):</b>	6 – 6.5 (+/- .5)	<b>Solubility in Water:</b>	Soluble
<b>Vapor Pressure:</b>	N/D	<b>Evaporation rate:</b>	N/D
<b>Vapor Density (air=1):</b>	Heavier than air	<b>Appearance:</b>	Blue/green tint
<b>% volatile by weight:</b>	> 80%	<b>Odor:</b>	Slight almond
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.00		

### Section 10: REACTIVITY DATA

<b>Product stability:</b>	Stable
<b>Conditions to avoid:</b>	N/A
<b>Chemical incompatibility:</b>	N/A
<b>Hazardous decomposition products:</b>	N/A
<b>Hazardous polymerization:</b>	Will not occur
<b>Corrosive to metal?:</b>	NO
<b>Oxidizer?:</b>	NO

### Section 11: TOXICOLOGICAL INFORMATION

<b>Acute oral LD<sub>50</sub>:</b>	> 5,000 mg/kg: Toxicity Category IV
<b>Acute dermal LD<sub>50</sub>:</b>	> 2,000 mg/kg: Toxicity Category IV
<b>Primary skin:</b>	Mild irritant: Toxicity Category IV
<b>Primary eye:</b>	Mild irritant: Toxicity Category III
<b>Other:</b>	No acute or chronic toxic effects are expected when used according to directions.

### Section 12: ECOLOGICAL INFORMATION

**Toxicity data:** No know environmental or ecological considerations when used according to directions.

### Section 13: DISPOSAL CONSIDERATIONS

<b>RCRA Waste Code:</b>	Not regulated under RCRA, 40 CFR 261
<b>Contents:</b>	Keep away from natural water sources. Comply with all Federal State and Local regulations.
<b>Container disposal:</b>	Remove all residue prior to disposal.

### Section 14: TRANSPORT INFORMATION

<b>DOT hazard class:</b>	Non-hazardous
<b>UN number:</b>	N/A
<b>ERG guide:</b>	N/A

### Section 15: REGULATORY INFORMATION

<b>WHMIS Classification:</b>	N/A
<b>U.S. FDA:</b>	This product is regulated as an Over-the-Counter (OTC) drug under the federal Food, Drug and Cosmetics Act And complies with FDA regulations.
<b>CPR Compliance:</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>TSCA:</b>	For FDA/COSMETIC Use Only.
<b>NFPA:</b>	Health 1 Fire 0 Reactivity 0

### Section 16: OTHER INFORMATION

#### MSDS PREPARATION

Prepared by: **T.C.**

Orig. Prep. Date: **2/11/06**