

15P11010

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier 800ml Hand Sanitizer	
Product Use Hand Sanitizer	
Supplier's Name Harvard Chemical Research, Inc.	
Street Address 3595 Zip Industrial Blvd	
City Atlanta	Province / State Georgia
Postal Code 30354	Telephone 404-761-0657
Date MSDS Prepared August 28, 2009	MSDS Prepared By

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	CAS No.	%	OSHA PEL (g/m ³)	ACGIH TLV (mb/m ³)
Ethyl Alcohol	64-17-5	62%	OEL 1000 mg/m ³	

Other Ingredient	CAS No.	%	OSHA PEL (g/m ³)	ACGIH TLV (mb/m ³)
Water	7732-18-5	≥ 36%	N/E	N/E
Carbomer	9003-01-4	0.2 – 0.5%	N/E	N/E
Glycerin	56-81-5	0.2 – 0.5%	5 mg/m ³ as mist	10 mg/m ³ as mist
Propylene Glycol	57-55-6	0.2 – 0.5%	N/E	N/E
Triethanolamine	102-71-6	.4 – 1%	N/E	N/E

PEL = Permissible Exposure Limit, TLV = Threshold Limit Value

OEL = Occupational Exposure Limit, N/A = Not Applicable/ Not Available

OSHA Hazardous Components (29 CFR 1910.1200): N/E = Not Established

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry				
<input checked="" type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Eye Contact	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Inhalation
[Emergency Overview] Due to the ethyl alcohol content, this product is flammable in large quantities. Dangerous fire hazard when exposed to heat, sparks, flame or oxidants. Eye and mucous membrane irritant.				
[Potential Health Effects] This product is considered safe for its intended use. Skin: Allergic or sensitivity reactions are possible, causing irritation or redness. Eye: Irritation, burning/stinging. Use of this product should be discontinued any time a reaction occurs. Ingestion: Unlikely to occur due to the physical properties of the product. A physician, emergency room or Poison Control Center should be called anytime the product is ingested orally.				

Product: 800 ml Hand Sanitizer

Inhalation: May cause irritation of the nasal mucosa and respiratory tract.

Note: Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 4 – FIRST AID MEASURES

Skin Contact
If skin irritation, allergic reaction or rash occur, remove contaminated clothing if required, then physically remove as much of the product as possible and thoroughly flush the area with water. If irritation persists, seek medical attention.
Eye Contact
Remove the product if worn. Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persists.
Inhalation
Remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Obtain appropriate medical attention.
Ingestion
Product is water miscible with low toxicity. Do not induce vomiting as aspiration of the product might occur. Drink large amounts of water. In cases where the ingestion of a large amount is suspected, experienced medical personnel may perform gastric lavage.

SECTION 5 – FIRE FIGHTING MEASURES

Flammable <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		If yes, under which conditions This product is combustible. Considered to be a fire hazard.	
Means of Extinction ABC all purpose extinguisher, water, CO2, alcohol-resistant foam			
Flashpoint (°C) and Method 30.2°C (PMCC method)	Upper Flammable Limit (% by volume) 19.0	Lower Flammable Limit (% by volume) 3.3	
Autoignition Temperature(°C) N/A	Explosion Data – Sensitivity to Impact N/A	Explosion Data – Sensitivity to Static Discharge N/A	
Special Fire Fighting Procedures: Wear a self-contained breathing apparatus in pressure-demand, MSHA-NIOSH (approved or equivalent), and full protective clothing. Fight fire from the maximum distance. Evacuate area.			
Unusual Fire and Explosion Hazards: Large quantities are flammable and vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants			
[NFPA] Health: 0 Flammability: 3 Reactivity: 0 Special Hazard: None			

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Small spills: Absorb with paper, towel or other appropriate media. Use soap and water to clean the area.
Large Spills: Collect in a suitable container or by use of an absorbent pad. Keep product out of drains; prevent entry to surface water, groundwater and soil.
Spills and releases may have to be reported to Federal and/or local authorities. See the Regulatory Information section (XV) regarding reporting requirements.

SECTION 7 – HANDLING AND STORAGE

Product: 800 ml Hand Sanitizer

Handling Procedures and Equipment

Keep far away from fire sources. Avoid heating product when handling. Washing thoroughly after handling. Avoid contact with eyes and ingestion.

Storage Requirements

Store in a cool, dry and well-ventilated area and away from sources of ignition, excessive heat and direct sunlight. Keep container closed when not in use. Separate from strong oxidizers. Put it lightly when packing and transport, prevent the packing and container from damage.

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits

☐ ACGIH TLV ☐ OSHA PEL ☐ Other (specify)

Specific Engineering Controls (such as ventilation, enclosed process)

The following information assumes large quantities of the product such as might be encountered in warehouse storage or an industrial accident.

Ventilation: Use general or local exhaust.

Eye/Face Protection: Safety glasses are required to prevent eye contact where splashing of product may occur.

Respiratory Protection: Airborne concentrations should be kept to lowest levels. If vapor is generated, use respirator approved by OSHA or NIOSH as appropriate.

Protective Clothing: Protective clothing is required where repeated or prolonged skin contact may occur. Wash after use and before eating, drinking or smoking.

Skin Protection: Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

Work/Hygienic Practices: After completing work, taking off the clothes and having a bath, avoiding a long-term exposure

Personal Protective Equipment

None required under normal conditions.

☐ Gloves ☐ Respirator ☐ Eye ☐ Footwear ☐ Clothing ☐ Other

If checked, please specify type

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State Transparent Gel	Odor and appearance Lemon, Strawberry and apple (as labeled)	Odor threshold (ppm) N/A
Specific Gravity .897	Vapour Density (air=1) N/A	Vapour Pressure (mmHg) N/A
Evaporation Rate	Boiling Point (°C) 80°C	Freezing Point (°C)
pH 6.5-8.5	Coefficient of Water/Oil Distribution N/A	[Solubility in Water] Soluble

Product: 800 ml Hand Sanitizer

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions
Incompatibility with Other substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? Strong oxidizers
Reactivity and under what conditions? Avoid direct sunlight, excessive heat and physical damage.	
Hazardous Decomposition Products Carbon Dioxide and Carbon Monoxide may produce during pyrolysis.	
Hazardous Polymerization Will not occur.	

SECTION 11 – TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
Effects of Chronic Exposure	
Irritancy of Product See Section 3	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity - IARC Not established.	Carcinogenicity - ACGIH Not established.
Embryotoxicity Not available.	Teratogenicity Not available
Name of Synergistic Products / Effects Not available	Mutagenicity Not available

SECTION 12 – ECOLOGICAL INFORMATION

[Aquatic Toxicity] N/A
Environmental Toxicity On the basis of available information, this product is biodegradable and not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Recover or recycle if possible. Material should be disposed of by placing in a landfill or by incineration in accordance with relevant Federal, State and Local regulations. This product meets the definition of hazardous waster as defined in 40 CFR 261.11.

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SECTION 14 – TRANSPORT INFORMATION

Special Shipping Information Packaged Product: DOT Class Consumer Commodity ORM-D Bulk Product: UN – No1170 Packing group – II (Medium danger) Hazard Class – 3.0 (Flammable Liquid)	
TDG	[DOT]
[IMO]	[ICAO]

SECTION 15 – REGULATORY INFORMATION

[Canadian WHMIS Classification] Drugs and Cosmetics are not subject to the Hazardous Products Act (WHMIS)	[OSHA]
[SERA]	[TSCA] All components of this product are listed or are exempted or excluded from listing on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

SECTION 16 – OTHER INFORMATION

[WHMIS Ratings] Flammability: 3 Health:1 Reactivity: 3