

Procter & Gamble

MATERIAL SAFETY DATA SHEET

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MSDS Identifier

**Vicks Early Defense
Foaming Hand Sanitizer**

SECTION I – CHEMICAL / PRODUCT AND COMPANY IDENTIFICATION

THE PROCTER & GAMBLE COMPANY Mason Business Center 8700 Mason-Montgomery Road Mason, OH 45040-9462		RATING KEY 4=EXTREME 3=HIGH 2=MODERATE 1=SLIGHT	Hazard Rating Health: 1 Flammability: 2 Reactivity: 0
EMERGENCY PHONE:	Transportation Emergency (24 hour) Telephone Number: CHEMTREC: 1-800-424-9300 in the U.S. and Canada; 1-703-527-3887 for calls originating elsewhere or call the Poison Control Center	Prepared by: Jill Karner, CIH Issue Date: February 26, 2007 Last Reviewed: August 11, 2006	
Material Name:	Vicks Early Defense Foaming Hand Sanitizer		

SECTION II – COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA. These substances are listed because in their pure bulk form, they meet the OSHA definition of hazardous. Any hazards associated with this finished product are listed in Section III of this MSDS.			
Principal Hazardous Components:	CAS Number	Conc %	Exposure Limit/ LC50/LD50
Denatured ethanol	64-17-5	10 – 30	1,000 ppm (ACGIH)
Succinic acid	110-15-6	1 – 5	Oral LD50 rat 2,260 mg/kg

SECTION III – HAZARDS IDENTIFICATION

Emergency Overview: This mixture is a product regulated by the FDA. Within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200]; this mixture may be irritating to the eyes. This product is for external use only.	
Eye:	May be irritating to the eyes. Do not use in or around the eyes.
Skin:	May be irritating to skin. Avoid using on cuts or damaged skin.
Inhalation:	Not an expected route of exposure.
Ingestion:	Not for ingestion.

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SECTION IV – FIRST AID MEASURES	
Eye:	In case of contact, rinse eyes thoroughly with water. Get medical attention if irritation persists.
Skin:	Wash affected area with soap and water. Stop use and ask a doctor if irritation and redness develop and persist.
Inhalation:	Not an expected route of exposure.
Ingestion:	Rinse mouth out and give plenty of water to drink.
Additional First Aid Measures: None	

SECTION V – FIRE FIGHTING MEASURES			
Flash Point:	101° F	Flash Point test method:	Closed Cup
Auto-ignition Temperature:	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Not available <input type="checkbox"/> deg. C <input type="checkbox"/> deg F.	Self Sustained Burn Rate	Does not sustain burn
Extinguishing Media:	Carbon dioxide, foam or dry powder		
Explosion Hazards:	No applicable information has been found.		
Special Instructions:	Do not use full water jet as extinguishing media for safety reasons.		

SECTION VI – ACCIDENTAL RELEASE MEASURES	
Personal Safeguards:	Ventilate spill area. Wear appropriate personal protective equipment.
Environmental Precautions:	Absorb spills with inert material. Send in suitable containers for recovery or disposal. Retain and dispose of contaminated wash water. Do not discharge into drains/surface waters/groundwater.
Spill Clean-up Procedures:	<i>Industrial:</i> Absorb spills with inert material. Send in suitable containers for recovery or disposal. Retain and dispose of contaminated wash water. <i>Household:</i> Absorb spills with wet sponge and rinse generously with water.

SECTION VII – HANDLING AND STORAGE	
Recommended Storage Temperature:	Protect from heat/overheating.
Personal Precautions for Safe Storage and Handling:	Do not expose containers to heat, flame, etc
Conditions for Safe Storage:	Keep container tightly closed. Keep in original container.

SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION	
This section only applies to the product when used in an <u>industrial setting</u> .	
Ventilation:	Local exhaust ventilation may be needed for control.
Eye Protection:	Chemical goggles are needed to avoid eye hazard.
Respiratory Protection:	No applicable information has been found.
Skin Protection:	For brief contact normal work attire is sufficient.
Other Special Protection:	None

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SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES			
Appearance / Color:	Colorless liquid	Melting Point:	Not available
Odor:	Cucumber mint	Boiling Point:	Not available
Odor Threshold:	Not available	Solubility in Water:	Soluble
Physical State:	Liquid that becomes foam when dispensed.	Vapor Pressure (mm Hg):	Not available
Vapor Density:	Not available	Specific Gravity (H ₂ O=1):	1.01 g/cm ³
pH:	3.0	Other Data:	None

SECTION X – STABILITY AND REACTIVITY	
Stability:	Stable
Possibility of Hazardous Reaction:	Hazardous polymerization will not occur.
Incompatibility: (Materials to avoid)	None known
Hazardous Decomposition Products:	None known

SECTION XI – TOXICOLOGICAL INFORMATION	
Chronic Effects:	No chronic health effects reported.
Target Organs:	No target organs reported.
Carcinogenicity:	This finished consumer product is not carcinogenic.
NTP:	Mixture - No.
IARC:	Mixture - No.

SECTION XII – ECOLOGICAL INFORMATION
<p>Relevant ecotoxicity and fate data for ingredients in this formulation have been reviewed. Under normal and foreseeable consumer uses, there are no concerns for aquatic organisms exposed to product ingredients at the anticipated environmental concentrations. The product is compatible with down-the-drain disposal routes, including municipal wastewater treatment processes and septic tank systems. This product is intended for dispersive use and should not be disposed of directly into the environment.</p>

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SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, State/Provincial and Local regulations.

Households: After use, concentrations and volumes are safe for disposal in public sewer

Industrial Setting:

Agency	Parameter	Requirement
US EPA		This material would not be considered a hazardous waste when disposed. Contact local regulators for guidance prior to sewerage of this material.

SECTION XIV – TRANSPORTATION

Agency	Classification
US DOT (transportation by ground)	Non-Regulated
IMDG (transportation by sea)	Non-Regulated
IATA (transportation by air)	Non-Regulated

SECTION XV – ADDITIONAL REGULATORY INFORMATION

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

US Federal:

SARA 313/302/304/311/312 chemicals: None

US States:

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

State Right-to-Know and CERCLA: The following ingredients present in the finished product are listed on state right-to-know lists or state work exposure lists.

Ingredient(s)	CERCLA RQ	State(s)
Denatured ethanol	100 lbs	CA, CT, IL, IN, KY, LA, MA, MN, NC, NJ, OR, PA, RI
Isopropanol (< 0.1%)	100 lbs	Below Reporting Threshold

SECTION XVI – OTHER INFORMATION

DISCLAIMER: This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.