



757-855-6091  
www.cavalierva.com

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## Product Information

NO: 997338

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# Foaming Instant Hand Sanitizer (Alcohol Free) 6/1000mL

Foaming Instant Hand Sanitizer is effective and convenient to sanitize hands in situations where water is not available. Its active ingredient – Benzethonium Chloride - combined with nourishing Vitamin E and moisturizing Aloe Vera kills 99.9% of eight important organisms in less than 15 seconds without drying the skin.

### CHEMICAL AND PHYSICAL PROPERTIES

Product Type.....	Foam
Color.....	None
Clarity.....	Clear
Fragrance.....	Fresh Linen
pH (as is) 25°C.....	8.5
Specific Gravity @ 25°C.....	1.00 Typical
Density (Wt./GAL)25°C.....	8.34
% Phosphate.....	None
Freeze Thaw Stable.....	Yes
Actives.....	0.20 %
Bactericide/Preservative.....	Yes/Present
Active Ingredient.....	Benzethonium Chloride
Flash Point.....	>200° F

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME **CAVALIER FOAMING INSTANT HAND SANITIZER- ALCOHOL FREE**  
PRODUCT USE: QUATERNARY BASED HAND SANITIZER

MANUFACTURED FOR:  
**Cavalier Inc.**  
2771 St. Julian Ave.  
Norfolk, VA 23504

24 HR. EMERGENCY TELEPHONE NUMBER: 800-424-9300  
TELEPHONE NUMBER FOR INFORMATION: 757-855-6091

DATE PREPARED: 4/10/09

## SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS CHEMICAL IDENTITY</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>	<u>% (OPTIONAL)</u>
BENZETHONIUM CHLORIDE	121-54-0				0.2 %

## SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >200°F  
VAPOR PRESSURE (mm Hg): N/A  
VAPOR DENSITY (AIR = 1): >1  
SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.0  
MELTING POINT: N/A  
EVAPORATION RATE (BUTYL ACETATE = 1): >1  
APPEARANCE AND ODOR: CLEAR COLOR, LIGHT FRAGRANCE

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A

LEL: N/A

EXTINGUISHING MEDIA: CO<sub>2</sub> OR DRY CHEMICAL

FLAMMABLE LIMITS: N/A

UEL: N/A

SPECIAL FIRE FIGHTING PROCEDURES: APPROVED RESPIRATORS SHOULD BE WORN. WATER SPRAY TO COOL EQUIPMENT.  
HMIS CODE: HEALTH-1, FLAMMABILITY-0, PHYSICAL HAZARD-0

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
IF HEATED, CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS.

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:  STABLE  UNSTABLE  
CONDITIONS TO AVOID: OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: CO<sub>2</sub> MAY BE FORMED DURING COMBUSTION.

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS

HAZARDOUS DEPOLYMERIZATION:  MAY OCCUR  WILL NOT OCCUR  
CONDITIONS TO AVOID: NONE

## SECTION 6 – HEALTH HAZARD DATA

ROUTES OF ENTRY: INHALATION:  YES  NO SKIN:  YES  NO INGESTION:  YES  NO EYES:  YES  NO  
HEALTH HAZARDS (ACUTE AND CHRONIC): NONE  
CARCINOGENICITY:  YES  NO NTP:  YES  NO IARC MONOGRAPHS:  YES  NO OSHA REGULATED:  YES  NO

SIGNS AND SYMPTOMS OF EXPOSURE: MILD EYE IRRITATION  
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NO MEDICAL CONDITIONS ARE KNOWN TO BE AGGRAVATED BY THIS PRODUCT.

EMERGENCY AND FIRST AID PROCEDURES:  
INGESTION: GIVE 3-4 GLASSES WATER. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.  
EYES: FLUSH WITH WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

## SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCES OF IGNITION. FLUSH WITH WATER.  
WASTE DISPOSAL METHOD: LANDFILL WITHIN ALL LOCAL, STATE AND FEDERAL LAWS  
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: AVOID HEAT.  
OTHER PRECAUTIONS:

## SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE

VENTILATION:

LOCAL EXHAUST: NONE  
SPECIAL: NONE

MECHANICAL: NONE  
OTHER: NONE

PROTECTIVE GLOVES: NONE EYE PROTECTION: YES  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE  
WORK/HYGENIC PRACTICES: NORMAL CLEANLINESS

Formula 682  
MSDS3.DOC 08/15/07