

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME **Foaming Instant Hand Sanitizer (Quat Based)**  
PRODUCT USE: QUATERNARY BASED HAND SANITIZER

MANUFACTURED BY:  
**KUTOL PRODUCTS COMPANY**  
7650 CAMARGO ROAD  
CINCINNATI, OH 45243

24 HR. EMERGENCY TELEPHONE NUMBER: 800-424-9300  
TELEPHONE NUMBER FOR INFORMATION: 513-527-5500

DATE PREPARED: 12/15/05

## 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>
ETHYL ALCOHOL (ETHANOL)	64-17-5	1000 ppm	1000 ppm	OSHA-TWA 1000 ppm	9.5 %

## SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 189°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,  
ALCOHOL ODOR

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 119° F+ (TCC) 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.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
IF HEATED, VAPOR MAY BE FLAMMABLE. CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS.

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:  STABLE  UNSTABLE HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: CO<sub>2</sub> MAY BE FORMED DURING COMBUSTION.  
CONDITIONS TO AVOID: OPEN FLAMES, SPARKS, OXIDIZING AGENTS  
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, MAY BUILD PRESSURE, VAPOR MAY BE FLAMMABLE.  
OTHER PRECAUTIONS: KEEP AWAY FROM IGNITION SOURCES.

## SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): NONE VENTILATION: LOCAL EXHAUST: NONE MECHANICAL: NONE  
SPECIAL: NONE OTHER: NONE  
PROTECTIVE GLOVES: NONE EYE PROTECTION: YES  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE  
WORK/HYGENIC PRACTICES: NORMAL CLEANLINESS