

KUT68824

## MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: **Foaming Alcohol Hand Sanitizer**

PRODUCT USE: ALCOHOL-BASED HAND SANITIZER WITH MOISTURIZER

MANUFACTURED BY:  
KUTOL PRODUCTS COMPANY  
7650 CAMARGO ROAD  
CINCINNATI OH 4524324 HR. EMERGENCY TELEPHONE NUMBER: 800-424-9300  
TELEPHONE NUMBER FOR INFORMATION: 513-527-5500

DATE PREPARED: 12/28/09

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (OPTIONAL)
ETHYL ALCOHOL (ETHANOL)	64-17-5	1000 ppm	1000 ppm	OSHA-TWA 1000 ppm	62 %

## SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 176°F  
VAPOR PRESSURE (mm Hg): 40  
VAPOR DENSITY (AIR = 1): >1  
SOLUBILITY IN WATER: COMPLETESPECIFIC GRAVITY (H<sub>2</sub>O = 1): 894  
MELTING POINT: N/A  
EVAPORATION RATE (BUTYL ACETATE = 1): >1  
APPEARANCE AND ODOR: CLEAR TO PALE YELLOW  
ALCOHOL ODOR

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 73°F (TCC) LEL: 3.3% EXTINGUISHING MEDIA: CO2 OR DRY CHEMICAL  
FLAMMABLE LIMITS: N/A UEL: 19% SPECIAL FIRE FIGHTING PROCEDURES: APPROVED RESPIRATORS  
SHOULD BE WORN. WATER SPRAY TO COOL EQUIPMENT.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NFPA CODE, BLUE-1, RED-3 YELLOW-0  
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: CO2 MAY BE FORMED  
CONDITIONS TO AVOID: OPEN FLAMES, SPARKS, OXIDIZING AGENTS DURING COMBUSTIONHAZARDOUS DEPOLYMERIZATION: ☐ MAY OCCUR ☒ WILL NOT OCCUR INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS  
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 ☒ NOSIGNS 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: 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  
SPECIAL: NONEMECHANICAL: NONE  
OTHER: NONEPROTECTIVE GLOVES: NONE EYE PROTECTION: YES  
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE  
WORK/HYGIENIC PRACTICES: NORMAL CLEANLINESS

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