

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 45243

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

DATE PREPARED: 2/12/07

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	62 %

SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 176°F
VAPOR PRESSURE (mm Hg): 40
VAPOR DENSITY (AIR = 1): >1
SOLUBILITY IN WATER: COMPLETE

SPECIFIC GRAVITY (H₂O = 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: IF HEATED, VAPOR MAY BE FLAMMABLE. CAN REACT VIGOROUSLY WITH OXIDIZING MATERIALS. NFPA CODE: BLUE-1, RED-3, YELLOW-0

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: STABLE UNSTABLE HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: CO₂ 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: 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
PROTECTIVE GLOVES: NONE EYE PROTECTION: YES SPECIAL: NONE OTHER: NONE
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE
WORK/HYGENIC PRACTICES: NORMAL CLEANLINESS