

MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT/MANUFACTURER S IDENTITY

PRODUCT NAME: **HEALTH GUARD INSTANT HAND SANITIZER**

PRODUCT USE: ALCOHOL-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: 02/03/98

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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

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): .886
MELTING POINT: N/A
EVAPORATION RATE (BUTYL ACETATE = 1): >1
APPEARANCE AND ODOR: CLEAR COLOR,
ALCOHOL FRAGRANCE

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 70° 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.

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: STABLE UNSTABLE
CONDITIONS TO AVOID: OPEN FLAMES, SPARKS, OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OF BY-PRODUCTS: CO₂ 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: 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: NONE

MECHANICAL: NONE
OTHER: NONE

PROTECTIVE GLOVES: NONE EYE PROTECTION: YES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORK/HYGENIC PRACTICES: NORMAL CLEANLINESS