

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: **SANTI-GEL**

PRODUCT USE: ALCOHOL-BASED HAND SANITIZER WITH MOISTURIZERS

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: 6/20/05

## 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	

## 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 (H<sub>2</sub>O = 1): .886  
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): 70 F+  
(TCC)

LEL: 3.3%

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

FLAMMABLE LIMITS: N/A

UEL: 19%

SPECIAL FIRE FIGHTING PROCEDURES: APPROVED RESPIRATORS  
SHOULD BE WORN. WATER SPRAY TO COOL EQUIPMENT.  
NFPA CODE: BLUE-1, RED-3, YELLOW-0

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  
CONDITIONS TO AVOID: OPEN FLAMES, SPARKS, OXIDIZING AGENTS 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

MECHANICAL: NONE

SPECIAL: NONE

OTHER: NONE

PROTECTIVE GLOVES: NONE EYE PROTECTION: YES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE

WORK/HYGENIC PRACTICES: NORMAL CLEANLINESS