

SAFETY DATA SHEET
FOAMING ALCOHOL HAND SANITIZER

FILE NO.: 688
MSDS DATE: 12/3/12

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FOAMING ALCOHOL HAND SANITIZER
PRODUCT CODES: 68809, 68817, 68824, 68841, 68878, 68891
MANUFACTURER: KUTOL PRODUCTS COMPANY, INC.
ADDRESS: 100 PARTNERSHIP WAY, SHARONVILLE, OH 45241

EMERGENCY PHONE: 513-527-5500 OTHER CALLS:
CHEMTREC PHONE: 800-424-9300 FAX PHONE: 513-527-5506

PRODUCT USE: HAND SANITIZER

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: NO MEDICAL CONDITIONS ARE KNOWN TO BE AGGRAVATED BY THIS PRODUCT
ROUTES OF ENTRY: EYES, INGESTION

POTENTIAL HEALTH EFFECTS
EYES: EYE STING, IRRITATION
SKIN: NONE EXPECTED
INGESTION: NAUSEA
INHALATION: NONE EXPECTED

ACUTE HEALTH HAZARDS: NONE EXPECTED
CHRONIC HEALTH HAZARDS: NONE EXPECTED
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE EXPECTED

CARCINOGENICITY
OSHA: ACGIH: NTP: IARC: OTHER:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: ETHYL ALCOHOL

<u>CAS NO.</u>	<u>64-17-5</u>	<u>% WT</u>	<u>% VOL</u>	<u>62</u>	<u>SARA 313 REPORTABLE</u>
		<u>ppm</u>	<u>mg/m3</u>		
OSHA PEL-TWA:		1000			
OSHA PEL STEL :		1000			
OSHA PEL CEILING:					
ACGIH TLV-TWA:		1000			
ACGIH TLV STEL:		1000			
ACGIH TLV CEILING:					

SECTION 4: FIRST AID MEASURES

EYES: FLUSH WITH WATER FOR 15 MINUTES, CONSULT PHYSICIAN, DO NOT RUB EYES.
SKIN: FLUSH WITH WATER
INGESTION: DO NOT INDUCE VOMITING, CONSULT PHYSICIAN
INHALATION: REMOVE TO FRESH AIR

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: 19 LOWER: 3.3
(% BY VOLUME)

FLASH POINT:
F: 73 C: 23
METHOD USED: TCC

AUTOIGNITION TEMPERATURE: N/A
F: C:

NFPA HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 3 REACTIVITY: 0 OTHER:

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HMIS HAZARD CLASSIFICATION

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HEALTH: 1 FLAMMABILITY: 3 REACTIVITY: 0 PROTECTION:

EXTINGUISHING MEDIA: CO2 OR DRY CHEMICAL
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. MAY REACT VIGOROUSLY WITH OXIDIZING MATERIALS
HAZARDOUS DECOMPOSITION PRODUCTS: CO2 MAY BE FORMED DURING COMBUSTION

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: DIKE, THEN SHOVEL INTO LEAKPROOF CONTAINER

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: AVOID HEAT. MAY BUILD PRESSURE. VAPOR MAY BE FLAMMABLE.
OTHER PRECAUTIONS: AVOID IGNITION SOURCES

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: NONE
VENTILATION : NORMAL
RESPIRATORY PROTECTION: NONE
EYE PROTECTION: SAFETY GLASSES
SKIN PROTECTION: NORMAL CLEANLINESS
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: NONE
WORK HYGIENIC PRACTICES: NORMAL CLEANLINESS
EXPOSURE GUIDELINES: NORMAL INTENDED USE

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: CLEAR LIQUID
ODOR: ALCOHOLIC ODOR
PHYSICAL STATE: LIQUID

pH AS SUPPLIED: 8.3 TYPICAL pH (Other):
BOILING POINT:
 F: 176 C: 80
MELTING POINT:
 F: N/A C: N/A
FREEZING POINT:
 F: NOT DETERMINED C: NOT DETERMINED
VAPOR PRESSURE (mmHg): 40
 @
 F: 77 C: 25
VAPOR DENSITY (AIR = 1): >1
 @
 F: N/A C: N/A
SPECIFIC GRAVITY (H2O = 1): 0.894
 @
 F: 77 C: 25

EVAPORATION RATE: >1
BASIS (=1):
SOLUBILITY IN WATER: COMPLETE
PERCENT SOLIDS BY WEIGHT: 2.5
PERCENT VOLATILE: 97.5
 BY WT/ BY VOL @
 F: C:

VOLATILE ORGANIC COMPOUNDS (VOC): 72 %
 WITH WATER: LBS/GAL WITHOUT WATER: LBS/GAL

MOLECULAR WEIGHT:
VISCOSITY: N/A
 @
 F: 77 C: 25

SECTION 10: STABILITY AND REACTIVITY

STABLE

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UNSTABLE

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STABILITY:	STABLE
CONDITIONS TO AVOID (STABILITY):	OPEN FLAMES, SPARKS, OXIDIZING AGENTS
INCOMPATIBILITY (MATERIAL TO AVOID):	OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	CO2 MAY BE FORMED DURING COMBUSTION
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
CONDITIONS TO AVOID (POLYMERIZATION):	WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NOT DETERMINED

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT DETERMINED

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: LANDFILL WITHIN ALL LOCAL STATE AND FEDERAL LAWS
RCRA HAZARD CLASS:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION
PROPER SHIPPING NAME: ETHANOL SOLUTIONS
HAZARD CLASS: 3
ID NUMBER: UN1170
PACKING GROUP: 2
LABEL STATEMENT:

WATER TRANSPORTATION
PROPER SHIPPING NAME: N/A
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

AIR TRANSPORTATION
PROPER SHIPPING NAME: N/A
HAZARD CLASS:
ID NUMBER:
PACKING GROUP:
LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): NOT DETERMINED
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NOT DETERMINED
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NONE
311/312 HAZARD CATEGORIES: NONE
313 REPORTABLE INGREDIENTS: NONE

STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION: PREPARED BY DAVID WOOD ON DEC 3, 2012

DISCLAIMER: ALL INFORMATION IS BELIEVED TO BE ACCURATE BUT DOES NOT IMPLY A WARRANTY OR GUARANTEE