

SAFETY DATA SHEET

FOAMING ALCOHOL HAND SANITIZER

FILE NO.: 694
MSDS DATE: 2/8/13

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FOAMING ALCOHOL HAND SANITIZER- 72 %

PRODUCT CODES: ALM024, ALM034, ALM044

MANUFACTURED FOR: CARDINAL HEALTH CANADA, INC.

ADDRESS: 6201 VIPOND DRIVE, MISSISSAUGA, ONTARIO L5T 2B2

EMERGENCY PHONE: 888-871-5945 EXT 7650

CHEMTREC PHONE: 800-424-9300

OTHER CALLS: 905-565-7650

FAX PHONE: 905-565-2257

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>70</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:

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SECTION 5: FIRE-FIGHTING MEASURES

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

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:

HMIS HAZARD CLASSIFICATION

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:

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

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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

UNSTABLE

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

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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:

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 FEB. 8, 2013

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