WAVE SAFETY DATA SHEET

DATE PRINTED :	7/13/2020
SDS REF. No :	Hand Sanitizer, Ethanol Gel

Hand Sanitizer, Ethanol Gel

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hand Sanitizer, Ethanol Gel
PRODUCT CODE: Hand Sanitizer, Ethanol Gel
SYNONYMS:

PRODUCT USE: Hand Sanitizer
RESTRICTIONS ON USE: For all legal and allowed uses.

DISTRIBUTOR

Company: C&A IP Holdings, LLC

114 Tived Lane East

Edison, NJ 08837

USA

Telephone: 1- 848-244-2000

Emergency telephone number

Emergency phone #: 1- 848-244-2000

2. HAZARDS IDENTIFICATION

GHS Classification in accordance with 29 CFR 1910.1200 (d)

CLASSIFICATION : Serious eye damage/eye irritation Category 2A Flammable liquid Category 2

PICTOGRAMS

SIGNAL WORD : Danger

HAZARD STATEMENTS : Causes serious eye irritation. Highly flammable liquid and vapor.

PRECAUTIONARY STATEMENTS : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Store in a well-ventilated place. Dispose of contents/container to in accordance with local/regional/national/international regulations. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	Synonyms	Weight %	CAS Number
Ethanol	Ethyl alcohol	70% to 75%	64-17-5
2-methyl-2-propanol	t-Butanol	0.09 to 0.10%	75-65-0

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water; remove contact lenses, if present and easy to do, then continue flushing eyes for at least 15 minutes. Get medical attention if irritation develops and persists.

SKIN: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

INGESTION: Rinse mouth. Get medical attention if symptoms occur.

INHALATION: Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc.). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Indication of immediate medical attention and special treatment needed: Provide supportive measures and treat symptomatically.

Thermal burns: Flush with water immediately. While flushing, remove clothes that do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

General information: Take off all contaminated clothing immediately. Ensure that medical personnel are aware of all materials involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA: Do not use direct water stream. Straight or direct water streams may not be effective to extinguish fire

FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus for firefighting if necessary.

UNUSUAL FIRE AND EXPLOSION HAZARD: No information available.

COMBUSTION PRODUCTS: Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT and EMERGENCY PRECAUTIONS: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to section 7, Handling, for additional precautionary measures. Keep personnel out of low areas. Keep upwind of spill. Ventilate area of leak or spill. No smoking in area. Eliminate all sources of ignition in vicinity of spill or released vapor to avoid fire or explosion. Vapor explosion hazard. Keep out of sewers. For large spills, warn public of downwind explosion hazard. Check area with combustible gas detector before reentering area. Ground and bond all containers and handling equipment. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

METHOD OF CLEANING UP: Contain spilled material if possible. Ground and bond all containers and handling equipment. Pump with explosion-proof equipment. If available, use foam to smother or suppress. Collect in suitable and properly labeled containers. See Section 13, Disposal Considerations, for additional information.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Keep away from heat, sparks and flame. Avoid contact with eyes. Avoid breathing vapor. Wash thoroughly after handling. Keep container closed. Use only with adequate ventilation. No smoking, open flames or sources of ignition in handling and storage area. Electrically bond and ground all containers and equipment before transfer or use of material. Use of non-sparking or explosion-proof equipment may be necessary, depending upon the type of operation. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas. Ignition and/or

flash back may occur. Never use air pressure for transferring product. See Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES: Minimize sources of ignition, such as static build-up, heat, spark or flame. Keep container closed. Flammable mixtures may exist within the vapor space of containers at room temperature.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

OSHA TABLE COMMENTS:
NL = Not Listed

EXPOSURE LIMITS:

Component	Regulation	Type of listing	Value/Notation
2-methyl-2-propanol	ACGIH	TWA	100 ppm
	OSHA Z-1	PEL	300 mg/m3 100 ppm
	NIOSH	STEL	450 mg/m3 150 ppm
	NIOSH	TWA	300 mg/m3 100 ppm
Ethanol	ACGIH	STEL	1000 ppm
	OSHA Z-1	PEL	1900 mg/m3 1000 ppm
	NIOSH	TWA	1900 mg/m3 1000 ppm
		The value in mg/m3 is approximate.	

ENGINEERING CONTROLS: Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear approved chemical safety glasses or goggles where eye exposure is reasonably probable.

SKIN: Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur.

RESPIRATORY: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus. In confined or poorly ventilated areas, use an approved self-contained breathing apparatus or positive pressure air line with auxiliary self-contained air supply. The following should be effective types of air-purifying respirators: Organic vapor cartridge.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

OTHER USE PRECAUTIONS: The type of protective equipment must be selected according to the concentration and amount of the substance at the specific workplace.

COMMENTS: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid.

COLOR: Clear. Almost colorless

ODOR: Alcohols.

ODOR THRESHOLD: No data available.

pH: No data available

MELTING POINT: -20 °F, -28.89 °C

BOILING POINT: 191.94 °F, 88.86 °C (estimated)

FLASH POINT: 73 °F, 22.8 °C

EVAPORATION RATE: No data available.

FLAMMABILITY (Solid/Gas): No data available.

FLAMMABLE LIMITS: No data available

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

DENSITY: 6.83 lb/gal, 0.82 g/ml

% SOLUBILITY IN WATER: No data available.

OCTANOL/WATER PARTITION COEFFICIENT: No data available.

AUTO-IGNITION TEMPERATURE: No data available.

DECOMPOSITION TEMPERATURE: No data available.

VISCOSITY: No data available.

10. STABILITY AND REACTIVITY

REACTIVITY: Expected to be stable.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat, static discharge, long exposure to light.

STABILITY: Stable under recommended storage conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Other decomposition products - No data available. In the event of fire: see section 5

INCOMPATIBLE MATERIALS: Strong acids or bases, Strong oxidizing agents

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur

11. TOXICOLOGICAL INFORMATION

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Likely routes of exposure:

EYE: Causes serious eye irritation

SKIN: No adverse effects expected

INHALATION: Prolonged inhalation may be harmful

INGESTION: Expected to be a low ingestion hazard

CARCINOGENICITY: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available

PERSISTENCE AND DEGRADABILITY: No data available

BIO-ACCUMULATIVE POTENTIAL: No data available

MOBILITY: No data available

OTHER ADVERSE EFFECTS: The product contains volatile organic compunds which have a photochemical ozone creation potential.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

PRODUCT/PACKAGING DISPOSAL: Dispose of as unused product.

WASTE TREATMENT OPTIONS : No data available.

RECOMMENDATIONS: Contact a licensed professional waste disposal service to dispose of this material. Offer surplus and non-recyclable solutions to a licensed disposal company.

SAFE HANDLING: No data available.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

UN NUMBER: UN1170

UN PROPER SHIPPING NAME: Ethanol solutions

TRANSPORT HAZARD CLASS: Class 3

PACKING GROUP: II

MARINE POLLUTANT: No data available.

SPECIAL PRECAUTIONS: No data available.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: See below

FIRE : Flammable **PRESSURE GENERATING :** Not applicable

REACTIVITY : Not applicable **ACUTE :** Serious eye damage; **CHRONIC :** Not applicable

313 REPORTABLE INGREDIENTS:

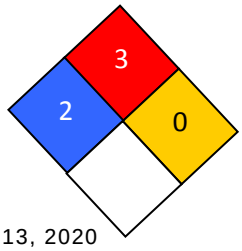
302/304 EMERGENCY PLANNING

EMERGENCY PLAN:

16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	3
Reactivity :	0
Personal Protection :	

NFPA CODES



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