



Hand Sanitizer 0418

Safety Data Sheet

SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: OTHER HAND SANITIZER
MEANS OF IDENTIFICATION: Hand Sanitizer Gel
PRODUCT CODE: HS0029
PRODUCT TYPE: Alcohol-based hand sanitizer
IDENTIFIED USES: Sanitizing hands and skin in general

SUPPLIER / MANUFACTURER: palmpalm, LLC
220 Laurel Rd, Ste 204
Voorhees NJ 08043

EMERGENCY TELEPHONE NUMBER: (224) 864-2185
HOURS OF OPERATION: 8:00 am – 4:00 pm (CDT)

SECTION 2. HAZARDS IDENTIFICATION

OSHA/MCS STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) or the Canadian Hazardous Production Act S.C. 198 C 30 (Part 1).

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Flammable liquids Category 4	H227 Combustible liquid
Skin corrosion/irritation Category 2	H315 Causes skin irritation
Serious eye damage/eye irritation Category 1	H319 Causes serious eye irritation
Skin sensitization Category 1	H317 May cause an allergic reaction
Specific Target Organ System Toxicity (STOT) – Single Exposure Category 3	

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD:

Warning

HAZARD STATEMENTS:

H227 - Combustible liquid
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H319 - Causes serious eye irritation
May cause respiratory irritation



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PRECAUTIONARY STATEMENTS

PREVENTION:

Following application instructions

Keep away from heat, sparks, open flames, and hot surfaces. – No Smoking

RESPONSE:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Immediately call a POISON CENTER for doctor/physician.

In case of fire: Use water fog, dry chemical, carbon dioxide, foam to extinguish.

STORAGE:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store in a secure manner.

DISPOSAL:

Dispose of in accordance with local, regional, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (NHOC):

NA

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL	CAS #	%
Ethyl Alcohol	64-17-5	65-80
Denatonium Benzoate	3734-33-6	<10
Glycerol	56-81-5	<10
Water	-	15-25
PEG 6; AMP-Acrylates/Vinyl Isodecanoate Cross polymer	Proprietary	<10
Fragrance	Proprietary	<10

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

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DESCRIPTION OF NECESSARY FIRST AID MEASURES

FIRST-AID MEASURES GENERAL:

If exposed or concerned: Seek medical advice/attention.

FIRST-AID MEASURES AFTER INHALATION:

Remove person to fresh air and keep comfortable for breathing.

FIRST-AID MEASURES AFTER SKIN CONTACT:

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Seek medical advice/attention.

FIRST-AID MEASURES AFTER EYE CONTACT:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Seek medical advice/attention.

FIRST-AID MEASURES AFTER INGESTION:

Call a poison center/doctor/physician if you feel unwell.

MOST IMPORTANT SYMPTOMS: ACUTE EFFECTS AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT:

Severe eye irritant.

INHALATION:

Slight inhalation hazard.

SKIN CONTACT:

Slight skin absorption hazard, moderate skin irritant. May cause an allergic skin reaction.

INGESTION:

Slight ingestion hazard.

MEDICATION CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Product has been shown to cause reproduction and fetotoxic effects in laboratory animals at high-doses. No health effects are expected from normal use of this product when used with the appropriate protective equipment. Prolonged or repeated contact may produce skin irritation

OVER-EXPOSURE SIGNS / SYMPTOMS

EYE CONTACT:

If symptoms develop, immediately move individual into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek medical attention

INHALATION:

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek medical attention.

SKIN CONTACT:

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

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INGESTION:

Seek medical attention. If individual is drowsy or unconscious, don't give anything by mouth; for advice whether to induce vomiting, contact a physician. If possible, do not leave individual unattended.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

PHYSICIAN NOTES:

This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lungs (for example, asthma-like conditions), and kidneys.

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA:

Carbon Dioxide, Dry Chemical, Foam, Water Spray

UNUSUAL FIRE AND EXPLOSION HAZARDS:

When heated above the flash point, releases flammable vapors. When mixed with air and exposed to igniting, flash back may occur. Heat may build pressure, rupturing closed containers, thus spreading fire and increasing risk of burns and injuries. Rags or clothing soaked with the formulation may undergo spontaneous combustion if not handled properly.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:

Do not enter area without proper protection. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Use water for cooling. Avoid frothing/steam explosions. Burning liquid may float on water. Although water soluble, it may not be practical to extinguish fire by water dilution.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:

Wear appropriate respiratory protection and protective clothing as described in Section 8.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL:

FLAMMABLE LIQUID. Eliminate all sources of ignition: no open flames, sparks, or smoking. Evacuate unprotected personnel from the area. Maintain adequate ventilation and avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit.

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ENVIRONMENTAL PRECAUTIONS:

In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

SMALL SPILL:

Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations. Dispose of materials or solid residues at an authorized site; avoid release to the environment.

LARGE SPILL:

Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent media. In the event of an uncontrolled release of this material, the user should determine if the release is reportable under applicable laws and regulations. Dispose of materials or solid residues at an authorized site; avoid release to the environment.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:

Avoid contact with eyes, skin, and clothing. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the work space. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in the work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Use non-sparking tools and equipment. Handling operations that can promote accumulation of static charges include—but are not limited to—mixing, filtering, pumping at high flow rates, splash filling, creating mists or sprays, tank or container filling, tank cleaning, sampling, gauging, switch loading, and vacuum truck operations.

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CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

FLAMMABLE LIQUID. Store in a cool, well-ventilated area away from all sources of ignition and out of direct sunlight. Store locked up. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment. Protect containers against physical damage. Store away from light. Minimize exposure to air. Do not allow evaporate to near dryness. Do not distill to near dryness.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT NAME

No components found

EXPOSURE LIMITS

NA

EXPOSURE CONTROLS

INDIVIDUAL PROTECTION MEASURES: PREVENTATIVE AND HYGIENE MEASURES:

No protective clothing anticipated.

INDIVIDUAL PROTECTION MEASURES: EYE/FACE/RESPIRATORY PROTECTION:

Respiratory Protection: Recommended exposure limits (i.e. OSHA-PEL and ACGIH-TLV) have not been established for the material. Whether or not there is a need for respiratory protection under your conditions of handling of this material should be evaluated by a qualified health specialist.

ENVIRONMENTAL EXPOSURE CONTROLS:

None anticipated.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear colorless liquid

PHYSICAL STATE:

Liquid. May discolor upon exposure to light.

ODOR:

Mixture contains components which have the following odors:
Alcohol, floral, fruit

ODOR THRESHOLD:

No data

PH:

4.0 – 7.0

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MELTING POINT:	No data
FREEZING POINT:	-114°C (-227°F)
BOILING POINT:	70°C (158°F) at 760mmg Hg
FLASH POINT:	12.7°C (54.86°F)
EVAPORATION RATE:	No data
FLAMMABILITY (SOLID, GAS):	Flammable
LOWER AND UPPER EXPLOSIVE:	No data
VAPOR PRESSURE:	212mmHg (torr) at 0°C (32°F)
VAPOR DENSITY:	> 1 Air=1
DENSITY (H ₂ O = 1.000):	0.882g/mL
SOLUBILITY:	Completely soluble in water
PARTITION COEFFICIENT N-OCTANOL/WATER:	No data
AUTO-IGNITION TEMPERATURE:	No data
DECOMPOSITION TEMPERATURE:	No data
VISCOSITY:	1,100cps at 25°C
PERCENT SOLIDS BY WEIGHT:	No data
VOLATILE ORGANIC COMPOUNDS (VOC):	No data

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY:	Non-reactive under normal conditions.
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal conditions.
CONDITIONS TO AVOID:	Heat, sparks, open flame, and other ignition sources.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents, strong reducing agents, strong bases, and strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition may produce oxides of carbon, nitrogen, and various other hydrocarbons, such as carbon dioxide and carbon monoxide.
HAZARDOUS POLYMERIZATION:	None likely.

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SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

POTENTIAL ACUTE HEALTH EFFECTS

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE:

Eyes, skin, inhalation, ingestion, and absorption.

EYE CONTACT:

Severe eye irritant.

INHALATION:

Slight inhalation hazard.

SKIN CONTACT:

Slight skin absorption hazard, moderate skin irritant.

INGESTION:

Slight ingestion hazard.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

COMPONENT	ORAL	DERMAL	INHALATION
Ethanol	Rat LD50: 7060 mg/kg	No data	Rat LC50: 124700 mg/m ³ /4h
Lime & Sea Salt Fragrance	ATE US: 480 mg/kg body weight	ATE US: 1600 mg/kg body weight	ATE US: 2.34 mg/l/4h (vapors); 4500ppmV/4h (gases)

SECTION 12. ECOLOGICAL INFORMATION

TOXICITY

ECOTOXICOLOGICAL INFORMATION:

Toxic to water-based life in large quantities.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Avoid uncontrolled releases of this material. Where spills are possible, a comprehensive spill response plan should be developed and implemented. All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible.

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SECTION 14. TRANSPORTATION INFORMATION

IDENTIFICATION NUMBER: UN1170, Ethanol Solution
PROPSER SHIPPING NAME: UN1170 Flammable Liquid, n.o.s.
HAZARD CLASS: Flammable Liquid
PACKAGING GROUP: III

SECTION 15. REGULATORY INFORMATION

FEDERAL REGULATIONS

TSCA INVENTORY STATUS: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.
WHMIS CANADA: Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).

SARA TITLE III 311/312

IMMEDIATE (ACUTE)	DELAYED (CHRONIC)	FIRE HAZARD	PRESSURE RELEASE	REACTIVE
Yes	No	Yes	No	No

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

STATE REGULATIONS

CALIFORNIA PROP. 65: This product may contain a detectable level of (a) chemical(s) subject to California Proposition 65.

SECTION 16. OTHER INFORMATION

HMIS HAZARD CLASSIFICATION

HMIS HAZARD CLASSIFICATION: Health: 2
Fire: 2
Reactivity: 0
Specific: (none)

NATIONAL FIRE PROTECTION ASSOCIATION (USA): Health: 2
Fire: 2
Reactivity: 0
Specific: (none)

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HISTORY

DATE OF ISSUE (MM/DD/YYYY):

07/07/2020

VERSION

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PREPARED BY:

palmpalm, LLC

KEY ABBREVIATIONS:

ATE = Acute Toxicity Estimate

BCF = Bio-Concentration Factor

GHS = Globally Harmonized System of Classification and Labeling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

("Marpol" = marine pollution)

UN = United Nation

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