

SAFETY DATA SHEET

SECTION: 1 PRODUCT and COMPANY IDENTIFICATION

Product Name: FOAMING HAND SANITIZER (all sizes)
Product Synonyms: Hand Rub, Alcohol-Based Hand Rub, Alcohol-Based Hand Sanitizer, Sanitizer
Country of Origin: USA
Product Use: ALL PROPER AND LEGAL PURPOSES
Company: Essential Depot, Inc.
 2029 US Hwy 27 S
 Sebring, Florida 33870
Phone: 863-662-0481
Emergency Phone: CHEMTREK, Inside the USA: 1-800-424-9300

SECTION: 2. HAZARDS IDENTIFICATION

Physical hazards: Flammable liquids Category 2
Health hazards: Serious eye damage/eye irritation Category 2A
Environmental hazards: Not classified.
OSHA defined hazards: Not classified.



Label elements:

Signal word: Danger

Hazard statement: Highly flammable liquid and vapor. Causes serious eye irritation.

Precautionary statement

Prevention: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash thoroughly after handling. Wear protective gloves/eye protection/face protection.

Response: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye

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irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage:

Disposal:

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC):

Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Supplemental information:

62.37% of the mixture consists of component(s) of unknown acute dermal toxicity. 99.25% of the mixture consists of component(s) of unknown acute inhalation toxicity.

SECTION: 3. COMPOSITION / INFORMATION INGREDIENTS

Mixtures:

Chemical Name	Common name and synonyms	CAS #	%
Ethonal		64-17-5	62.3724
2-PROPANOL, 2-METHYL-		75-65-0	0.0872
Other components below reportable levels			37.5604

SECTION: 4. FIRST AID MEASURES

Inhalation:

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact:

Not Available

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion:

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed:

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

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Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which 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 the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION: 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog. Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. This liquid may accumulate static electricity when filling properly grounded containers. Static electricity accumulation may be significantly increased by the presence of small quantities of water or other contaminants. Material will float and may ignite on surface of water. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

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Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards: Highly flammable liquid and vapor.

SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination. Transfer by mechanical means such as vacuum truck to a salvage tank or other suitable container for recovery or safe disposal. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up:

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas.

Large Spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground. Use appropriate containment to avoid environmental contamination.

SECTION: 7. HANDLING AND STORAGE

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Precautions for safe handling:

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Minimize fire risks from flammable and combustible materials (including combustible dust and static accumulating liquids) or dangerous reactions with incompatible materials. 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 and container filling, tank cleaning, sampling, gauging, switch loading, vacuum truck operations. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

For additional information on equipment bonding and grounding, refer to the Canadian Electrical Code in Canada, (CSA C22.1), or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising out of Static, Lightning, and Stray Currents" or National Fire Protection Association (NFPA) 77, "Recommended Practice on Static Electricity" or National Fire Protection Association (NFPA) 70, "National Electrical Code".

Conditions for safe storage, including any incompatibilities:

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational exposure limits:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-PROPANOL, 2-METHYL- (CAS 75-65-0)	PEL	300 mg/m3 100ppm
ETHANOL (CAS 64-17-5)	PEL	1900mg/m3 1000ppm

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US. ACGIH Threshold Limit Values

Components	Type	Value
2-PROPANOL, 2-METHYL- (CAS 75-65-0)	TWA	100ppm
ETHANOL (CAS 64-17-5)	STEL	1000ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-PROPANOL, 2-METHYL- (CAS 75-65-0)	STEL	450mg/m3 150ppm
	TWA	300mg/m3 100ppm
	TWA	1900mg/m3 1000ppm
ETHANOL (CAS 64-17-5)	TWA	1900mg/m3 1000ppm

Biological limit values: No biological exposure limits noted for the ingredient(s).

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Appropriate engineering controls:	Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.
Individual protection measures, such as personal protective equipment:	The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Hand protection:	Wear appropriate chemical resistant gloves.
Other skin protection:	Wear appropriate chemical resistant clothing.
Respiratory protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards:	Wear appropriate thermal protective clothing, when necessary
General hygiene considerations:	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state:	Liquid.
Form:	Liquid.
Color:	Clear Colorless
Odor:	Ethanol
Odor threshold:	Not Available
pH:	Not Available
Melting point/freezing point:	Not Available

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Initial Boiling Point and Boiling Range:	187.68 °F (86.49 °C) estimated
Flash point:	71.0 °F (21.7 °C)
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Flammability limit-lower(%):	Not available
Flammability limit-upper(%):	Not available
Explosive limit-lower(%):	Not available
Explosive limit-upper(%):	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility (water):	Not available
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Density:	7.47 lbs/gal 0.90 g/ml
Explosive properties:	Not explosive
Flammability class:	Flammable 1B estimated
Oxidizing properties:	Not oxidizing
Percent volatile:	99.32% estimated
Specific gravity:	0.9
VOC:	62.44% estimated

SECTION: 10. STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use,

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storage and transport.

Chemical stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: No hazardous decomposition products are known.

SECTION: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation: Prolonged inhalation may be harmful.
 Skin contact: Knowledge about health hazard is incomplete.
 Eye contact: Causes serious eye irritation.
 Ingestion: Knowledge about health hazard is incomplete.

Symptoms related to the physical, chemical and toxicological characteristics: Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

Information on toxicological effects

Acute toxicity: Not known.

Components	Species	Test Results
2-PROPANOL, 2-METHYL- (CAS 75-65-0) <u>Acute</u> Oral LD50	Rat	3.5 g/kg
ETHANOL (CAS 64-17-5) <u>Acute</u> Oral LD50	Rat	6.2 g/kg

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Skin corrosion/irritation: Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation: Causes serious eye irritation.
Respiratory sensitization: Due to partial or complete lack of data the classification is not possible.
Skin sensitization: Due to partial or complete lack of data the classification is not possible.
Germ cell mutagenicity: Due to partial or complete lack of data the classification is not possible.
Carcinogenicity: Due to partial or complete lack of data the classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not Listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not Listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not Listed.

Reproductive toxicity: Possible reproductive hazard.
Specific target organ toxicity - single exposure: Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure: Due to partial or complete lack of data the classification is not possible.
Aspiration hazard: Due to partial or complete lack of data the classification is not possible.
Chronic effects: Prolonged inhalation may be harmful.

SECTION: 12. ECOLOGICAL INFORMATION

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
2-PROPANOL, 2-METHYL- (CAS 75-65-0)		
Aquatic		
Crustacea	EC50	Water flea (Daphnia magna)
Fish	LC50	Fathead minnow (Pimephales promelas)
ETHANOL (CAS 64-17-5)		4607 - 6577 mg/l, 48 hours 6130 - 6700 mg/l, 96 hours

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<u>Aquatic</u> Crustacea Fish	EC50 LC50	Water flea (Daphnia magna) Fathead minnow (Pimephales promelas)	7.7 – 11.2 mg/l, 48 hours > 100 mg/l, 96 hours
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Persistence and degradability: No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential:

Partition coefficient n-octanol / water (log Kow)

2-PROPANOL, 2-METHYL- ETHANOL	0.35 -0.31
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Mobility in soil: No data available

Other adverse effects: The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION: 13. DISPOSAL CONSIDERATION

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: D001: Waste Flammable material with a flash point <140 F
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/ unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION: 14. TRANSPORT INFORMATION

DOT

UN number: UN1170

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UN proper shipping name: ETHANOL SOLUTIONS
Transport hazard class(es): Class: 3
Subsidiary risk:
Packing Group: II
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
ERG number: 127

Transportation information on packaging may be different from that listed.

IATA

UN number: UN1170
UN proper shipping name: ETHANOL SOLUTIONS
Transport hazard class(es): Class: 3
Subsidiary risk:
Packing Group: II
Environmental Hazards: No
ERG Code: 127
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

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IMDG

UN number: UN1170
UN proper shipping name: ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) (ETHANOL), MARINE POLLUTANT
Transport hazard class(es): Class: 3
Subsidiary risk:
Packing Group: II
Environmental Hazards: Marine Pollutant: Yes
EmS: F-E, S-D
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

DOT:



IATA; IMDG:



Marine pollutant:



General information: IMDG Regulated Marine Pollutant.

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SECTION: 15. REGULATORY INFORMATION

US federal regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not Listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not Listed.

SARA 311/312 Hazardous Yes

Classified hazard categories: Flammable (gases, aerosols, liquids, or solids)
Serious eye damage or eye irritation

Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting): Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

Safe Drinking Water Act (SDWA)

Not regulated

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

ETHANOL (CAS 64-17-5)

Low priority

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US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

2-PROPANOL, 2-METHYL- (CAS 75-65-0)

International Inventories:

Country(s) or Region	Inventory name	On inventory (yes/no)
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

'A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION: 16. OTHER INFORMATION

Creation Date: June 02, 2020
Revision Date: November 13, 2020
HMIS® ratings
 Health: 2
 Flammability: 3
 Physical hazard: 0

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NFPA ratings

Health: 2
Flammability: 3
Instability: 0

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