

Safety Data Sheet

Hand Hero Hand Sanitizer

Section 1- Product and Company Information

Product Name: Hand Hero Hand Sanitizer

Product Code: H17011

Trade Name: Hand Hero Hand Sanitizer

Manufactured By

Hand Hero
PO Box 795788
Dallas, TX 75379

Chemtrec
Domestic Number: 800-424-9300
International Number: 703-527-3887

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	3	
Eye Irritant	2A	Eye irritant: Subcategory 2A, Reversible in 21 days

GHS Hazards

H226	Flammable liquid and vapor
H319	Causes serious eye irritation

GHS Precautions

P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash ... thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337+P313	If eye irritation persists, get medical advice/attention
P370+P378	In case of fire: Use ... for extinction
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance with local regulations

Signal Word: Warning



Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Ethanol SDA 40-B 200 Proof/SD Alcohol	64-17-5	40.00% - 70.00%

Section 4 - First Aid Measures

If unconscious place in recovery position and seek medical advice

If systems persist call a physician.

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Avoid getting in the eyes. In case of contact with eyes flush with water for 15 minutes. Protect unharmed eye. If easy to do, remove contact lens, if worn. Keep eye wide open while rinsing. Consult a physician for severe cases.

Product should not be an irritant; however, should skin become irritated, wash with soap and water. Discontinue use.

For external use only. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. When symptoms or in all cases of doubt seek medical advice. If ingested, contact a physician. Keep out of reach of children.

General Advice:

Move out of dangerous area

Show this safety data sheet to the doctor in attendance

Do not leave victim unattended

In the case of accident or if you feel unwell, seek medical advice immediately.

When symptoms persist or in all cases of doubt seek medical advice.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL:

UEL:

Flammable Limits: N/A

Extinguishing Media: Dry chemical, Water Spray, Alcohol Resistant Foam, Carbon Dioxide, or Fog Spray

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not use high volume water jet.

Hazard Combustible Products: Extremely flammable. Container may explode if heated. Closed containers are contained under pressure and may explode to excess heat for a prolonged period of time. Burning produced obnoxious and toxic fumes. In the event of fire the following can be released: Carbon oxides; Acrolein ; Sulphur oxides; nitrogen oxides (NO_x); Other unidentified organic compounds.

Fire Fighting: Fight fire with normal precautions from a reasonable distance. Shield personnel to protect from venting or rupturing containers.

Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water course. Dike for water control.

Fire Equipment: Wear self-contained breathing apparatus and protective suit.

Section 6 - Accidental Release Measures

Personal Precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep Unnecessary and unprotected personnel from entering, Do not touch or walk through spilled material. Avoid breathing vapor mist. Provided adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on personal protective equipment (See Section 8). Use non-slip safety shoes in area where spills or leaks can occur.

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities of the product have caused environmental pollution (sewers, waterways, soil or air).

Stop leak if without risk. Move containers from spill area. Remove all sources of ignition. Ventilate the area. Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material (e.g. sand, silica, gel acid binder, universal binder, sawdust). Dispose of via a licensed waste disposal contractor.

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillages into an effluent treatment or proceed as follows. Contain and collect spillage with non-combustible, absorbent materials, sand, earth, vermiculite or diatomaceous earth and place in a container for disposal according to local regulations. Dispose via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 emergency contact information. Contaminated absorbent material may pose the same hazard as the spilled product.

Note: See Section 1 for emergency contact information.

Section 7 - Handling and Storage

Non Hazardous - Use normal nonhazardous handling and storage procedures. Put on appropriate personal protective equipment. (see section 8). Eating drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers Should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. use only in adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue can be hazardous. Do not reuse container.

Store in accordance with local regulations. Keep out of reach of children Store in original container protected from direct sunlight in a dry cool and well-ventilated area, away from incompatible materials, food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. No smoking. Observe label precautions

Materials to Avoid:

Do not store with the following product types:

Strong oxidizing agents

Organic peroxides

Flammable solids

Pyrophoric liquids

Pyrophoric solids

Self-heating substances and mixtures

Substances and mixtures which in contact with water emit flammable gases

Explosives

Gases

Section 8 - Exposure Controls / Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Ethanol SDA 40-B 200 Proof/SD Alcohol 64-17-5	PEL 1000.000 ppm - TWA VPEL 1000.000 ppm - TWA	TLV 1000.000 ppm - TWA	Not Established

Wash hand, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirement of the environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Respiratory: Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on a known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicated this is necessary.

Eyes: Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mist or dust. Recommended: Splash Goggles.

Skin: Personal protective equipment for the body should be selected based on the task being performed and

the risks involved and should be approved by a specialist before handling this product

Impervious gloves
Flame retardant gloves

Safety Goggles

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal conditions

<p>Appearance: Off white clear flow able gel</p> <p>Vapor Pressure: No information available</p> <p>Vapor Density: No information available</p> <p>Density: 0.85</p> <p>Freezing point: No information available</p> <p>Boiling range: No information available</p> <p>Evaporation rate: No information available</p> <p>Explosive Limits: No information available</p> <p>Autoignition temperature: No information available</p> <p>Viscosity: <2000 cps</p>	<p>Odor: Characteristic</p> <p>Odor threshold: No information available</p> <p>pH: 6.75</p> <p>Melting point: No information available</p> <p>Solubility: Dispersible in water</p> <p>Flash point: 25C / 75F</p> <p>Flammability: No information available</p> <p>Partition coefficient (n-octanol/water): No information available</p> <p>Decomposition temperature: No information available</p> <p>Grams VOC less water: No information available</p>
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Section 10 - Stability and Reactivity

Stable under normal conditions

STABLE

Component of this mixture are non hazardous and non reactive under normal storage. Under normal conditions of storage and use, hazardous reactions will not occur. Conditions to avoid : Heat, Flames and sparks.

Should avoid Heat, Flames, and Sparks

Under normal conditions of storage and use, hazardous decomposition products should not be produced

Hazardous polymerization will not occur.

Section 11 - Toxicology Information

Mixture Toxicity

Oral Toxicity LD50: 2,000mg/kg

Component Toxicity

64-17-5 Ethanol SDA 40-B 200 Proof/SD Alcohol
Oral LD50: 1,400 mg/kg (Human)

Toxicology Information: No data found/ No component listed on (NTP), (IARC) or OSHA database.

Information on likely routes of exposure

Inhalation

Skin contact

Ingestion

Eye contact

Inhalation Skin Contact Eye Contact Ingestion

None

Eyes Central Nervous System Skin

Effects of Overexposure

Not classified based on available information.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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According to the classification criteria of the EU, This product is not considered as being an irritant.

If contact does occur, This product may cause the following effects.

May cause mild eye irritation. If product is heated or mists are formed, inhalation may cause irritation to the nose throat and respiratory tract.

Section 12 - Ecology Information

EcotoxicityIngredients:

Ethanol:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): > 1,000 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h

Toxicity to algae: EC50 (Chlorella vulgaris (Fresh water algae)): 275 mg/l Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): NOEC (Daphnia magna (Water flea)): 9.6 mg/l Exposure time: 9 d

Toxicity to bacteria: EC50 (Photobacterium phosphoreum): 32.1 mg/l

Exposure time: 0.25 h

Propan-2-ol: Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l Exposure time: 24 h

Toxicity to algae: ErC50 (Scenedesmus quadricauda (Green algae)): > 1,800 mg/l Exposure time: 8 d

Toxicity to bacteria: EC50 (Pseudomonas putida): > 1,050 mg/l Exposure time: 16 h

Persistence and degradability

Ingredients:

Ethanol:

Biodegradability:

Result: Readily biodegradable.

Biodegradation:

84 % Exposure time: 20 d

Propan-2-ol:

Biodegradability: Result: rapidly degradable

Bioaccumulative potential

Ingredients:

Ethanol:

Partition coefficient: n-octanol/water: log Pow: -0.35 Propan-2-ol: Partition coefficient: n-octanol/water: log Pow: 0.05

Mobility in soil

No data available

Other adverse effects

No data available

Component Ecotoxicity

Ethanol SDA 40-B 200 Proof/SD

Toxicity to fish - LC50/96h/ Fathead minnows = 14,200mg/L

Alcohol

Toxicity to daphnia- LC50/48h/ daphnia = 9268 - 14,221 mg/L

Section 13 - Disposal Considerations

As the US, EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator to learn and satisfy the requirements that affect you.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
IATA-DG	Alcohol, n.o.s.(Ethanol, Propan-2-ol) Packing Instruction (Cargo Aircraft) 366	UN 1987	III	3
IMDG-Cod	ALCOHOLS, N.O.S.(Ethanol, Propan-2-ol) Marine Pollutant: no EmS Code F-E, S-D	UN1987	III	3
UNRTDG	ALCOHOLS, N.O.S.(Ethanol, Propan-2-ol)	UN 1987	III	3

Section 15 - Regulatory Information

EPCRA -Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards:

Fire Hazard

Acute Health Hazard SARA 302:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313:

The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol 67-63-0 3.4086 %

Country

Regulation

All Components Listed



EU Risk Phrases

Safety Phrase

TSCA 8(a) IUR Exempt/partial exemption: Not Determined
United States inventory (TSCA 8b): All components are listed or exempted.

- None

SARA 302/304/311/312 extremely hazardous substances: No products were found

SARA 302/304 emergency planning and notification: No products were found

SARA 302/304/311/312 hazardous chemicals: No products were found.

SARA 311/312 MSDS distribution- chemical inventory - hazard identification: No products were found.

Section 16 - Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating Legend

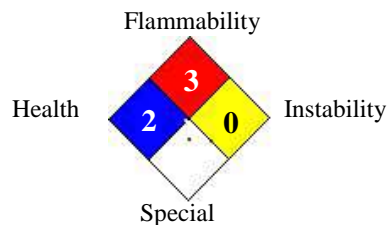
* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



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Reviewer Revision

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