

Section 1: Identification

Product Name:**ALFA MFG - HAND SANITIZER****Product Category:** Antibacterial**Manufacture Identification:**

Emergency Telephone Number: 1-800-535-5053

Section 2: Hazard Identification

Eye damage/irritation Category 2A**Flammable Liquids Category 2****Specific target organ toxicity Category 3- Single exposure**

Target Organs- Central nervous system



Signal word: Danger

GHS Precaution Phrases:

H225: Highly flammable liquid and vapor

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

GHS Precautionary statements:

P102: Keep out of reach of children

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233+235: Keep Container tightly closed. Keep cool.

P280: Wear protective gloves/eye protection/ face protection

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P264: Wash thoroughly after handling

P271: Use only outdoors or in well ventilated area

GHS Response Phrases:

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P304+340: If inhaled, remove person to fresh air and keep comfortable for breathing

P337+313: If eye irritation persists get medical advice/attention.

P303+353+361: If on skin (or hair): Rinse skin with water (or shower), take off immediately all contaminated clothing.

P370+378: In case of fire; use water spray or alcohol resistant foam to extinguish.

GHS Storage and Disposal

P403+235: Store in a well ventilated place. Keep container tightly closed.

P235: Keep cool.

Phrases:

P501: Dispose of contents/container to ... [... in accordance with local/regional/national/international regulation (to be specified)]

Section 3: Composition/Information on Ingredients

INCI Name	Synonyms	CAS NUMBER	Conc. (%)
Ethyl Alcohol	-	64-17-5	70
Aqua	-	7732-18-5	10-30
PEG-6, AMP-Acrylates/Vinyl Isodecanoate Crosspolymer	-	-	1-3
Isopropyl Alcohol	-	67-63-0	1-3
Glycerin	-	56-81-5	1-3
Isopropyl Myristate	-	110-27-0	0.1-0.3
Tocopheryl Acetate	-	58-95-7	<0.1

Note: Some Specific chemical Identities and/or exact percentage (Concentrations) have been withheld as a trade secret.

Section 4: First-Aid Measures

Emergency and First Aid Procedures

1- Skin: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, you should contact a physician.

2 - Eyes: Immediately flush with clean, lukewarm water (low pressure) occasionally lifting eyelids. Seek medical attention if irritation develops.

3 - Inhalation: If respiratory irritation occurs, remove individual to fresh air.

4 - Ingestion: Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (milk or water). Do not induce vomiting.

Section 5: Fire-Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical, Alcohol resistant foam.

Unsuitable extinguishing medium: High volume water jet.

Fire Fighting Procedures: Contact emergency personnel. Use self-contained breathing apparatus and full protective gear, if large quantities of product are involved.

Unusual Fire Fighting Procedures: May produce floating fire hazard. Fight fire from max distance. Alcohol burns with pale blue flame which is hard to see.

NFPA Flammable and combustible liquids classification:

Flammable liquid class IB

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions:

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains.

Methods for cleaning up: Highly flammable liquid. Eliminate all sources of ignition. All equipment used

when handling this product must be grounded. A vapor suppressing foam may be used to reduce vapors. Do not touch or walk through spilled material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Use clean non-sparking tools to collect absorbed material

Section 7: Handling and Storage

Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded

Storage:

Keep container tightly closed in a cool, dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Consult local fire codes for additional storage information

Other Precautions: Avoid bacterial contamination. Keep containers tightly closed when not in use.

Section 8: Exposure Controls/Personal Protection

OSHA Permissible Exposure Limits

Chemical Name	OSHA PEL	ACGIH TLV (TWA)
Isopropyl Alcohol (67-63-0)	400 ppm/ (ST) 500 ppm	200 ppm / (ST) 400 ppm
Ethanol (64-17-5)	1000 ppm	(ST) 1000 ppm

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equaled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Respiratory Protection: Not applicable under normal conditions

Skin Protection: Resistant Plastic or rubber gloves (optional)

Eye Protection: Safety glasses or goggles. (optional)

Section 9: Exposure Controls/Personal Protection

Appearance: Low Viscous Gel

Upper/lower flammability: N/A

Odor: Alcohol

Color: Clear

Vapor pressure: N/A

Odor threshold: N/A

Vapor density: N/A

pH: 6.5 to 7.5

Density (g/cm³): 0.800 to 1.000

Specific Gravity: 0.800 to 1.000

Melting point/freezing point: N/A

Solubility: Completely miscible

Initial boiling point and boiling range: 56 °C

Flash point: <23 °C

Evaporation rate: N/A

Flammability: N/A

Partition coefficient (n-octanol/water): N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity (cPs): 4,000 to 6,000

Note: Some of data above is not shown either because it is not relevant and/or readily available.

Section 10: Stability and Reactivity

Stability: Stable

Conditions to avoid: Direct Heat, flames, sparks

Incompatibility (Materials to avoid): Aldehydes, Chlorine, Ethylene Oxide, Halogens, Isocyanates, Strong Acids and Strong oxidizing agents

Hazardous Polymerization: Does not occur

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and unburned hydrocarbons.

Section 11: Toxicological Information

NO INFORMATION

Section 12: Ecological Information

No ecological hazards have been tested for this product.

Section 13: Disposal Considerations

Do not contaminate food or feed by storage or disposal. Do not reuse empty container. Wrap empty container and throw in trash collection. Dispose of according to federal, state, and local regulations regarding health, air, and water pollution.

Section 14: Transport Information

IATA/IMDG/DOT

UN/ID/NA number	: UN 1170
Proper shipping name	: Ethanol
Packing Group	: II
Labels	: 3

Section 15: Regulatory Information

No Information

Section 16: Other Information

ALFA Manufacturing Group, LLC believes that the information contained in this M.S.D.S is correct as of this date. However, because the material may be used under conditions which ALFA Manufacturing Group, LLC has no control of or in ways we cannot anticipate, we give no warranty, expressed or implied, as to accuracy of the information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that is properly and safely used.

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