



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: HAND SANITIZER
Product Use: N/A
Chemical Family: Alcohol

Product Code: N/A

24 Hr. Emergency Tel.#: CHEMTREC 1-800-424-9300

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Eye Irritation - Category 2
Flammable Liquids - Category 2
Specific Target Organ Toxicity - Single Exposure - Category 3



Signal Word: DANGER

Hazard Statements:

Causes serious eye irritation
Highly flammable liquid and vapor
May cause drowsiness and dizziness

Precautionary Statements:

Prevention

Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection.
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/light/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Do not breathe dust/fume/gas/mist/vapors/spray.

Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of fire: Use water for extinction.

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.

If exposed: Call a Poison Center or doctor/physician.

Storage

Store locked up.
Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.



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SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	Concentration:
Ethyl Alcohol	70.525%
Glycerol	1.45%
Hydrogen Peroxide	0.125%
Aloe	0.1%
Carbomer	0.1%
Ethanolamine	0.1%
Polyethylene Glycol	0.2%
Water USP	27.4%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact: Rinse/wash with lukewarm, gently flowing water and mild soap for 5 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. If you feel unwell, or if concerned: Get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed: Contact with eyes can cause irritation.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, powder, foam, carbon dioxide.

Special hazards arising from the substance of mixture: Emits toxic fumes under fire conditions.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Flammable liquid - Category 2

Hazardous Combustion Products: Carbon oxides

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: Contain and recover liquid when possible. Do not let product enter drains. Residues from spills can be absorbed with dry earth, sand or other non-combustible material and disposed of in appropriate container.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

Incompatible Materials: Avoid strong oxidizing agents, soft metals, acids, and heat.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: In case of confined spaces or high levels encountered in the air, wear self contained breathing apparatus.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear safety glasses, goggles and/or face shield to prevent eye contact.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid

Odor: Alcohol like

pH: 6.5-9.0

Melting/Freezing point: -114°C (-173°F)

Initial boiling point and boiling range: 74-80°C/165-175°F)

Flash Point: N/A



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Flammability (solid, gas): Flammable
Lower flammable limit (% by vol.): 2
Upper flammable limit (% by vol.): 12.7
Vapor Pressure (mm Hg): 33 at 20°C
Vapor Density (air=1): 2.1
Specific gravity: 0.79 g/mL
Solubility in Water: Complete
Auto ignition Temperature: 399°C (750.2°F)
Viscosity: 5-20 cSt at 20°C / 68°F

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions
Possibility of Hazardous Reactions: None known
Conditions to Avoid: Incompatible materials and high temperatures
Incompatible Materials: Avoid acids or strong oxidizers when using or storing this product.
Hazardous Decomposition Products: Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES
Routes of entry - skin & eye: YES
Routes of entry - ingestion: YES
Routes of entry - skin absorption: YES

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: May cause irritation to respiratory system in mist/vapor form. May cause headaches, dizziness, nausea, weakness and drowsiness.

Ingestion: May cause nausea, vomiting, abdominal pain, gastrointestinal tract burns, gastrointestinal upset and/or diarrhea.

Skin: May cause skin irritation including redness, edema, swelling, rash, scaling or blistering, drying and/or cracking of skin.

Eye: Vapors cause eye irritation. Splashes cause severe eye irritation.

Potential Chronic Health Effects:

Mutagenicity: No information available

Carcinogenicity: Not listed as a carcinogen with IARC, NTP or OSHA

Reproductive effects: IPA (isopropyl) has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.

Sensitization to material: Not found to be a sensitizer.

Specific target organ effects: Exposure to IPA (isopropyl) has been found to cause kidney damage in male rats.

Medical conditions aggravated by overexposure: Overexposure to IPA (isopropyl) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects.

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = >5000mg/kg

ATE dermal = >5000mg/kg

ATE inhalation (vapors)= >20mg/l

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability: No information available

Bioaccumulation potential: Product has a low potential for bioaccumulation

Mobility in soil: Product is water soluble and moves readily through soil and the water column.

SECTION 13 - DISPOSAL CONSIDERATIONS



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Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: Not a listed RCRA hazardous waste.

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 1987

UN Proper Shipping Name: Alcohols, n.o.s.

Transportation hazard class(es): 3

Packing Group: II

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: CAS # 67-63-0 is listed on the TCSA inventory

US CERCLA Reportable quantity (RQ): No RQ listed

SARA Title III: Acute Health Hazard, Fire Hazard.

US State Right to Know Laws: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

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