

Material Safety Data Sheet

MSDS ID: 70-GEL

*** Section 1 - Chemical Product and Company Identification ***

Product Name: 70% Hand Sanitizer – Gel

Product Use: Skin Cleansing

Company Information

Non-Emergency # (661) 215-6671
Emergency # (877) 959-4998

General Comments

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Non-Emergency number above.

*** Section 2 - Hazards Identification ***

Emergency Overview

Component ethanol is a severe eye irritants, resulting in corneal injury if not removed immediately. Prolonged inhalation may cause headache, eye, nose, and throat irritation, with possible central nervous system effects: depressant. Ingestion may cause birth defects (teratogen).

Potential Health Effects: Eyes

This product is irritating to the eyes and respiratory system.

Potential Health Effects: Skin

None.

Potential Health Effects: Ingestion

Seek medical attention.

Potential Health Effects: Inhalation

This product is irritating to the eyes and respiratory system.

HMIS Ratings: Health: 2 Fire: 3 Reactivity: 0 Pers. Prot.: None required.

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 3 - Composition / Information on Ingredients ***

64-17-5	Ethyl Alcohol	70%
7732-18-5	Water	25.7%
56-81-5	Glycerin	3%
64742-47-8	Polyacrylamide & C13-14 Isoparaffin & Laureth-7(Sepigel 305)	1.3%

Component Information/Information on Non-Hazardous Components

Employers must inform workers of the hazards of this product and provide worker training on safe handling procedures.

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See container label regarding proper handling and use of this product.
Ingredients are listed in descending order of concentration on the container label.
For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.
Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner

*** Section 4 - First Aid Measures ***

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

None.

First Aid: Ingestion

If material is swallowed, get medical attention or advice.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

Component ethyl alcohol is highly flammable and a dangerous fire hazard when exposed to heat and/or flames. This product is a moderate fire hazard and explosion hazard when exposed to heat and/or flame.

Upper Flammable Limit (UFL): 19%

Lower Flammable Limit (LFL): 3.3%

Method Used: PMCC

Flash Point: 68°F

Flammability Classification: Flammable

Auto Ignition: Not determined

Hazardous Combustion Products

On thermal decomposition: oxides of carbon.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Contain and remove all sources of ignition. Wear appropriate protective gear. Collect using suitable absorbent if needed.

Clean-Up Procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush small residuals to the drain for normal biological wastewater treatment.

Evacuation Procedures

Treat as moderate fire and explosion hazard.

Special Procedures

Caution: Flammable material. Store in an appropriate hazardous materials storage facility.

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*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid eye contact and prolonged inhalation of vapors. Avoid prolonged contact with sensitive skin. Do not ingest.

Storage Procedures

Store in tightly closed container away from heat and oxidizing agents. Prevent freezing. Keep out of reach of children.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing. Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner

B: Component Exposure Limits

Ethyl alcohol (64-17-5)

OSHA:	1000 ppm TWA; 1900 mg/m3 TWA
ACGIH:	1000 ppm TWA

Engineering Controls

None required for intended use.

PERSONAL PROTECTIVE EQUIPMENT Personal

Protective Equipment: Eyes/Face

Avoid eye contact.

Personal Protective Equipment: Skin

Avoid prolonged contact with sensitive skin.

Personal Protective Equipment: Respiratory

Avoid prolonged inhalation of vapors. Personal

Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Colorless/Slight Haze	Odor: Alcohol
Physical State: Gel	pH: 6.8 – 8.1
Vapor Pressure: Ethanol comp. 40 mm Hg	Vapor Density: 1.6 (Air = 1)
Boiling Point: as ethanol: 78°C	Melting Point: Not Established
Solubility (H2O): Not Established	Specific Gravity: 0.9 g/cc ³
	Flash Point: 68°F (PMCC)

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*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under usual application conditions.

Chemical Stability: Conditions to Avoid

None.

Incompatibility

Oxidizers, including chlorine bleach and hydrogen peroxide. Acids, platinum and silver.

Hazardous Decomposition

On thermal decomposition oxides of carbon.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Ethyl alcohol is irritating to the eyes, nose and respiratory system at very high vapor concentrations. Repeated ingestion of ethyl alcohol may result in liver damage.

B: Acute Toxicity-LD50/LC50

Ethyl alcohol (64-17-5)

LD50: Inhalation LC50 Rat: 124.7 mg/L/4H; Oral LD50 Rat: 1501 mg/kg

Carcinogenicity

A: General Product Information

Ingestion may cause birth defects (teratogen).

B: Component Carcinogenicity

Ethyl alcohol (64-17-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl alcohol (64-17-5)

96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 Pimephales promelas: 14.2 mg/L

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Environmental Fate

No information available.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

This material is a hazardous waste by the EPA definition of flammability.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

Shipping Name: Consumer Commodity- Other Regulated Materials (ORM-D)

Additional Info: Based on flash point and viscosity testing, this product is classified as a Packing Group III. For flammable liquids in Packing Group III, inner packaging not over 5.0 L (1.3 gallons) net capacity each, packed in strong outer packaging are required. (49CFR173.150)

International Transportation Regulations

Shipping Name: Consumer Commodity, ORM-D via ground transportation in the USA.

Product is in compliance with the Department of Transportation 49 CFR 173.121, Packing Group III Criteria.

Additional Info: This product is transport regulated as "Consumer Commodity, ORM-D" with a package size limitation maximum of 30 liters (7.9 gallons).

Via air, this product is limited as a "Consumer Commodity", ORM-D to 0.5 liters. Otherwise the product must be classified as a hazardous material ALCOHOLS, N.O.S. (ethyl alcohol), 3, UN1987, II

IMDG Classification, ALCOHOLS, N.O.S. (ethyl alcohol), 3, UN1987, III. Based on flash point and viscosity testing.