



# SAFETY DATA SHEET

## 1. IDENTIFICATION

### Product identifier

**Product Name** OPS 70% Alcohol Foaming Skin Sanitizer

### Other means of identification

**SDS #** AM-002

**UN/ID No** UN1170

### Recommended use of the chemical and restrictions on use

**Recommended Use** Hand Sanitizer.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Archer Manufacturing  
40960 California Oaks Rd., Suite S #251  
Murrieta, CA 92562

### Emergency telephone number

**Company Phone Number** 1-800-796-5545  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear, colorless liquid

**Physical state** Liquid

**Odor** Alcohol odor

### Classification

Serious eye damage/eye irritation	Category 2
Flammable liquids	Category 3

### Signal Word

**Warning**

### Hazard statements

Causes serious eye irritation  
Flammable liquid and vapor



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin 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 only non-sparking tools  
Take precautionary measures against static discharge  
Use explosion-proof equipment

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## Precautionary Statements - Response

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

In case of fire: Use CO2, dry chemical, or foam for extinction

## Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

## Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

## Other hazards

Toxic to aquatic life with long lasting effects

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Ethyl Alcohol	64-17-5	68-73
Glycerol	56-81-5	0-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST AID MEASURES

### Description of first aid measures

<b>Eye Contact</b>	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.
<b>Skin Contact</b>	If irritation occurs, wash with water.
<b>Inhalation</b>	Get medical attention if symptoms occur.
<b>Ingestion</b>	Contact a physician or Poison Control Center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Causes serious eye irritation.
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### Indication of any immediate medical attention and special treatment needed

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use CO2, dry chemical, or foam for extinction.

**Unsuitable Extinguishing Media** High volume water jet.

### Specific Hazards Arising from the Chemical

Flammable liquid and vapor. Keep away from heat sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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**Hazardous combustion products** Carbon oxides.

## **Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

**Environmental precautions** Do not allow contact with soil, surface or ground water. See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. 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, state and federal regulations (see Section 12). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

**Advice on Safe Handling** Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Use explosion proof equipment. Avoid contact with eyes. Use only with adequate ventilation.

### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Store between 0°C (32°F) to 45°C (113°F). Store in suitable labeled container. Keep away from heat and sources of ignition. Store in a well-ventilated place. Keep cool. Keep container tightly closed.

**Incompatible Materials** Oxidizing agents.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Exposure Guidelines**

<b>Chemical name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>
Glycerol 56-81-5	-	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate	-

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		(vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	
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## Appropriate engineering controls

**Engineering Controls** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

## Individual protection measures, such as personal protective equipment

**Eye/Face Protection** No protective equipment is needed under normal use conditions.

**Skin and Body Protection** No protective equipment is needed under normal use conditions.

**Respiratory Protection** No protective equipment is needed under normal use conditions.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid	<b>Odor</b>	Alcohol odor
<b>Appearance</b>	Clear, colorless liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	5.5 typical	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	25 °C / 77 °F	
Evaporation Rate	<1	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper flammability or explosive limits	Not determined	
Lower flammability or explosive limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Relative Density	Not determined	
Water Solubility	Not determined	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Kinematic viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

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## Conditions to Avoid

Heat, flames and sparks.

## Incompatible materials

Oxidizing agents.

## Hazardous decomposition products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Not expected to be a skin irritant during prescribed use.
<b>Inhalation</b>	Do not inhale.
<b>Ingestion</b>	Do not ingest.

### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Glycerol 56-81-5	= 12600 mg/kg ( Rat )	> 10 g/kg ( Rabbit )	> 2.75 mg/L ( Rat ) 4 h

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Serious eye damage/eye irritation** Causes serious eye irritation.

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

#### Legend

ACGIH (American Conference of Governmental Industrial Hygienists)  
A3 - Animal Carcinogen  
IARC (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
NTP (National Toxicology Program)  
Known - Known Carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present

### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 9,697.5908 mg/kg

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ATEmix (inhalation-dust/mist) 42.10 mg/L

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic life with long lasting effects.

### Component Information

Chemical name	Algae/aquatic plants	Fish	Crustacea
Ethyl Alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static
Glycerol 56-81-5		51 - 57: 96 h Oncorhynchus mykiss mL/L LC50 static	

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

Chemical name	Partition coefficient
Ethyl Alcohol 64-17-5	-0.32
Glycerol 56-81-5	-1.76

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### California Hazardous Waste Status

Chemical name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

## 14. TRANSPORT INFORMATION

### Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

- UN/ID No** UN1170  
**Proper Shipping Name** Ethanol solution  
**Hazard class** 3  
**Packing Group** III

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## IATA

UN number UN1170  
Proper Shipping Name Ethanol solution  
Transport hazard class(es) 3  
Packing Group III

## IMDG

UN number UN1170  
Proper Shipping Name Ethanol solution  
Transport hazard class(es) 3  
Packing Group III  
Marine Pollutant This material may meet the definition of a marine pollutant

## 15. REGULATORY INFORMATION

### International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl Alcohol	X	ACTIVE	X	X	X	X	X	X	X
Glycerol	X	ACTIVE	X	X	X	X	X	X	X

#### Legend:

*TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory  
*DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List  
*EINECS/ELINCS* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
*ENCS* - Japan Existing and New Chemical Substances  
*IECSC* - China Inventory of Existing Chemical Substances  
*KECL* - Korean Existing and Evaluated Chemical Substances  
*PICCS* - Philippines Inventory of Chemicals and Chemical Substances  
*AICS* - Australian Inventory of Chemical Substances

### US Federal Regulations

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

#### SARA 311/312 Hazard Categories

Acute Health Hazard Yes  
Chronic Health Hazard No  
Fire Hazard Yes  
Sudden Release of Pressure Hazard No  
Reactive Hazard No

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.



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<b>Chemical name</b> Ethyl Alcohol - 64-17-5	<b>California Proposition 65</b> Carcinogen Developmental
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## U.S. State Right-to-Know Regulations

<b>Chemical name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Ethyl Alcohol 64-17-5	X	X	X
Glycerol 56-81-5	X	X	X

## 16. OTHER INFORMATION

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	3	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	1	3	0	Not determined

**Issue Date:** 14-Jun-2021  
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**Revision Note:** New format

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**