

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers

Product Name(s) EcoSafe® Hand Sanitizer
Product Code(s) ESH
Appearance Clear to pale yellow liquid
Physical State Liquid
Odor Alcohol

Recommended Use and Restrictions

Recommended Use Hand Sanitizer
Restrictions for Use External Use Only

Manufacturer Information

Name EcoSafe Labs®, Inc.
Address 10132 Monroe Dr. Dallas, Texas 75229
Phone Number 214-329-4772

Emergency Telephone Number

Poison Control Center 1-800-222-1222

2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids: Category 3
 Eye irritation: Category 2A

GHS Label Elements

Hazard Pictograms



Signal Word

Warning

Hazard Statements

Flammable liquid and vapor.
 Causes serious eye irritation.

Precautionary Statements

Keep Out of Reach of Children
 Keep away from heat, sparks, open flames, hot surfaces

Other Hazards

Vapors may form explosive mixture with air.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %
Isopropanol	67-63-0	65%
H2O	7732-18	33%
Fragrance	N/A	1.0%
Surfactant	Proprietary	> 1.0%
Sodium Carboxymethyl Cellulose	9004-32-4	> 1.0%

4. FIRST AID MEASURES

First Aid Measures

Inhalation	Move person to fresh air
Skin	Wash skin with soap and water. If skin irritation occurs, seek medical advice from a physician
Eye Contact	Rinse cautiously with clean water for several minutes. If eye irritation persists, get medical attention
Ingestion	Rinse mouth with water. DO NOT induce vomiting. Seek medical attention if symptoms occur.

Most Important Symptoms and Effects

Symptoms	Causes serious eye irritation
Notes to Physician	Treat symptomatically

5. FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide (CO2)
Unsuitable Extinguishing Media	High volume water spray
Specific Hazards Arising from the Mixture	Not determined
Hazardous Combustion Products	Carbon oxides
PPE and Precautions for Firefighters	Use protective equipment appropriate for conditions; take usual precautions

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions	Use personal protective equipment Remove all sources of ignition
Environmental Precautions	Avoid discharge into the environment Prevent further leakage or spillage if safe to do so Retain and dispose of contaminated wash water Local authorities should be advised if significant spillages cannot be contained

Methods and Materials for Containment and Cleaning Up

Methods for Containment and Cleaning Up	Non-sparking tools should be used Soak up with inert absorbent material Suppress (knock down) gases/vapors/mists with a water spray jet For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent
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7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling	Handle in accordance with good industrial hygiene and safety practices. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Keep away from heat and sources of ignition.
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Conditions for Safe Storage, Including Any Incompatibilities

Storage	Keep containers tightly closed in a cool, well ventilated place, away from sources of heat or ignition.
Incompatible Materials	Strong oxidizing agents, Organic peroxides, Flammable solids, Pyrophoric liquids & solids, Self-heating substances and mixtures, Substances and mixtures which in contact with water emit flammable gases, Explosives, Gases

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

NIOSH/OSHA Exposure Limits Isopropanol CAS No 67-63-0 | Form of Exposure: TWA | Permissible: 400 ppm, 980 mg/m3

Engineering Controls Minimize workplace exposure concentrations.
 Use only in an area equipped with explosion proof exhaust ventilation.

Personal Protective Equipment (PPE)

Respiratory Protection General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release.

Eye and Face Protection Use safety goggles

Skin and Body Protection Use impervious and flame retardant gloves, aprons, boots, etc. to avoid skin contact

General Hygiene Measures Ensure that eye flushing systems are located close to the working place. Do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Lower Explosive Limit (LEL)	Not Available
Appearance / Color	Clear, colorless to very pale yellow	Vapor Pressure (mmHg)	Not Available
Odor	Alcohol with mild added fragrance	Specific Gravity (H₂O = 1)	0.85 gm/ml
pH	6.5 - 8.5	Relative Density	Not Applicable
Boiling Point	180° F (82° c) (Isopropanol)	Vapor Density	Not Available
Freezing Point	Not Available	Solubility in Water	Soluble
Flash Point	12 °C (54 °F) (Isopropanol)	Partition Coefficient	Not Available
Evaporation Rate	Not Available	Viscosity	Not Available
Upper Explosive Limit (UEL)	Not Available	V.O.C. (weight %)	Not Available

10. STABILITY AND REACTIVITY

Reactivity Contact with incompatible materials. Sources of ignition. Exposure to heat.

Chemical Stability Stable under normal conditions

Possibility of Hazardous Reactions Flammable liquid and vapor. Can react with strong oxidizing agents

Conditions to Avoid Heat, flames and sparks

Incompatible Materials Keep away from strong oxidizers and acids

Hazardous Decomposition Products None known

11. TOXICOLOGICAL INFORMATION

Potential Routes of Exposure

Eye Contact Causes serious eye irritation. May cause conjunctivitis or corneal damage.

Skin Contact No adverse effects are expected under normal conditions of use. Repeated use may cause skin dryness and/or irritation.

Oral Toxicity Not Available

Dermal Toxicity Not Available

Inhalation Toxicity Not Available

Component Information Isopropanol (CAS No 67-63-0)
 Oral LD50 >1870 mg/kg (rat) | Dermal LD50 >4059 mg/kg (rabbit) | Inhalation LD50 >72600 mg/m³ (rat)

Information on Toxicological Effects

Effects of Chronic Exposure Not expected to have chronic health effects under normal use

Carcinogenicity Does not contain any known or potential carcinogens as listed by OSHA, IARC, or NTP

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not determined
Persistence and Degradability	Not determined
Bioaccumulative Potential	Not determined
Mobility in Soil	Not determined
Environmental Fate	Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Dispose of in accordance with local regulations
Empty Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

U.S. DOT

UN Number:	UN 1219
Proper Shipping Name:	ALCOHOLS; N.O.S.
Class:	3
Packing Group:	III
Labels:	3, Flammable Liquids

IMDG (Marine Transport)

UN Number:	UN 1219
Proper Shipping Name:	ALCOHOLS, N.O.S.
Class:	3
Packing Group:	III
Labels:	3, Flammable Liquids
EmS Code:	F-E, S-D
Marine Pollutant:	No

IATA (Air Transport)

UN/ID Number:	UN 1219
Proper Shipping Name:	ALCOHOLS, N.O.S., 3, PG II
Class:	3
Packing Group:	III
Labels:	3, Flammable Liquids
Packing Instruction (cargo):	366
Packing Instruction (passenger):	355

Canadian TDG

UN Number:	UN 1219
Proper Shipping Name:	ALCOHOLS, N.O.S., 3, PG II
Class:	3
Packing Group:	III
Labels:	3, Flammable Liquids

15. REGULATORY INFORMATION

U.S.

Toxic Substances Control Act (TSCA)	This product complies with the requirements of the U.S. Toxic Substances Control Act
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

Canada

Domestic Substances List (DSL)	This product complies with the inventory requirements under Canada's DSL
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16. OTHER INFORMATION

National Fire Protection Association (NFPA) Rating

Health	2
Flammability	3
Instability	0
Special Hazards	None noted

Hazardous Materials Identification System (HMIS) Rating

Health	2
Flammability	3
Physical Hazards	0

Disclaimer:

This product is manufactured and marketed for consumer and commercial use and should be used as directed on the product label for the intended purpose. EcoSafe® Labs, Inc. warrants that this product conforms to our standard specification when released to the market and when used according to directions. To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with requisite caution. Although certain hazards may be described herein, we cannot guarantee that these are the only hazards that exist.