

Hand Sanitizer with 70% Alcohol

SECTION 1. IDENTIFICATION

Product Identifier	Hand Sanitizer with 70% Alcohol
Other Means of Identification	69903
Recommended Use	Use as per directions on the bottle.
Restrictions on Use	Keep out of the reach of children, except under adult supervision. Do not use near eyes, If contact occurs, rinse with water. If allergic reaction occurs, stop use and contact a health care professional.
Emergency Phone No.	24-hour Emergency Contact -CANUTEC (North America Only), 1-888-226-8832, For use only in transportation emergencies 24-hr Emergency Contact- CANUTEC, 613-996-6666, For use only in transportation emergencies
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SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 2



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
95% Ethanol USP Grade	64-17-5	65-85%		Alcohol, Ethyl Alcohol
Hydroxyethylcellulose	9004-62-0	0.5-1.5%		
Peppermint Essential Oil	8006-90-4	0.1-1%		Peppermint Oil

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

If eye irritation persists, get medical advice or attention.

Ingestion

Get medical advice or attention if you feel unwell or are concerned.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment**Target Organs**

Kidneys, liver, nervous system, skin.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

May cause or worsen dermatitis or other skin conditions.

SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing Media****Suitable Extinguishing Media**

Use flooding quantities of water or other suitable extinguishing agent.

Specific Hazards Arising from the Product

Highly flammable liquid and vapour. Can ignite at room temperature. Carbon dioxide and carbon monoxide may form when burning.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment, and Emergency Procedures**

No special precautions are necessary.

Environmental Precautions

No special precautions are necessary.

Methods and Materials for Containment and Cleaning Up

No special clean up methods are necessary.

SECTION 7. HANDLING AND STORAGE**Precautions for Safe Handling**

No special precautions are necessary.

Conditions for Safe Storage

Store in an area that is: cool, dry, out of direct sunlight and away from heat and ignition sources.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control Parameters**

Not available.

Appropriate Engineering Controls

General ventilation is usually adequate. The hazard potential of this product is low in small volumes if large volumes are being used, use local exhaust ventilation and ensure to control the amount in the air.

Individual Protection Measures

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Eye/Face Protection

Not required if product is used as directed.

Skin Protection

Not required, if used as directed.

Respiratory Protection

Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear colourless thin gel.
Odour	Peppermint
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	-114 °C (estimated) (melting); -114 °C (estimated) (freezing)
Initial Boiling Point/Range	78 - 100 °C (estimated)
Flash Point	18 °C (estimated)
Evaporation Rate	Not applicable
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not applicable
Relative Density (water = 1)	0.84 - 0.90
Solubility	Very soluble in water; Highly soluble in alcohols (e.g. ethanol).
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not available (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Open flames, sparks, static discharge, heat and other ignition sources. Temperatures above 40 deg C.

Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

Not corrosive to metals.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide may form when burning.

SECTION 11. TOXICOLOGICAL INFORMATION

This product has not been tested for acute toxicity.

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Likely Routes of Exposure

Skin contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
95% Ethanol USP Grade		7060 mg/kg (rat)	
Hydroxyethylcellulose		7060 mg/kg (rat)	
Peppermint Essential Oil		2426 mg/kg (rat)	

Skin Corrosion/Irritation

May cause mild irritation in some individuals. If irritation persists, please seek medical attention.

Serious Eye Damage/Irritation

May cause mild to severe irritation in some individuals. If irritation persists, please seek medical attention.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause mild irritation in some individuals. If irritation persists, please seek medical attention.

Skin Absorption

May cause mild irritation in some individuals. If irritation persists, please seek medical attention.

Ingestion

Seek medical attention if feeling unwell.

Aspiration Hazard

Not known to be an aspiration hazard.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information is available.

Respiratory and/or Skin Sensitization

No information is available.

Carcinogenicity

Ethanol is a known a carcinogen by the IARC, ACGIH, NTP or OSHA when taken orally.

Reproductive Toxicity

Development of Offspring

Ethanol is known to cause harm to unborn children when taken orally.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Known literature advises against use for nursing women. Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

No information is available.

Interactive Effects

No information is available.

SECTION 12. ECOLOGICAL INFORMATION

It is good practice not to release into the environment.

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

Mobility in Soil

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No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
IATA (Air)	1992	Flammable Liquid	3	II
IMO (Marine)	1992	Flammable Liquid	3	II
US DOT	1992	Flammable Liquid	3	II

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

None known.

SECTION 16. OTHER INFORMATION

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