

1: Identification of the Substance/Preparation & the Company

1.1 GHS Product Identifier

Product Name: INSTANT HAND SANITIZER

1.2 Other Means of Identification

Product Code(s): 147GHNDSAN1G

1.3 Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Hand Sanitizer

Uses Advised Against: None Known

2: Hazards Identification

2.1 Classification of the Substance or Mixture

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Flammable Liquid	Category 2
Eye Irritant	Category 2B

2.2 GHS Label Elements, Including Precautionary Statements

Signal Word: Warning

Hazard Statement(s):

- Highly flammable liquid and vapor
- Causes eye irritation
- This product contains the following percentage of chemicals of unknown toxicity: 0%



Precautionary Statement(s):

Prevention

- Keep away from heat, sparks, open flames, and hot surfaces.

General Advice

- Keep container tightly closed.
- Wash hands thoroughly after handling.
- Wear eye protection.
- Ground or bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, and lighting equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.

Eyes

- 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.

Skin

- IF ON SKIN: Rinse skin with water or shower.
- Take off contaminated clothing and wash before reuse.
- In case of fire use dry chemical, foam, or carbon dioxide.

Inhalation

- None.

Ingestion

- None.

Storage

- Store in well-ventilated place. Keep cool.

Disposal

- Dispose of contents and container in accordance with local, state, and national regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3: Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %	Trade Secret
Ethyl Alcohol	64-17-5	60%	*
Isopropyl Alcohol	67-63-0	0.5-1.5%	*

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

4: First Aid Measures

4.1 Description of Necessary First Aid Measures

- Eye Contact:** 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 or attention.
- Skin Contact:** First aid is not normally required.
- Inhalation:** Move to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seems irregular seek immediate medical attention.
- Ingestion:** If swallowed: Rinse Mouth. Do NOT induce vomiting. Get medical advice or attention.

4.2 Most Important Symptoms/Effects (Acute and Delayed)

Most Important Symptoms/Effects
Not Known.

4.3 Indication of Immediate Medical Attention and Special Treatment Needed

Notes to Physician

There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media

Carbon dioxide (CO₂), standard chemical fire extinguisher, and water fog.

Unsuitable Extinguishing Media: None

5.2 Specific Hazards Arising from the Chemical

None known.

5.3 Protective Equipment and Precautions for Firefighters

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

Refer to section VIII for proper Personal Protective Equipment.

6.2 Spill Precautions

Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

6.3 Environmental Precautions

Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

6.4 RCRA Status

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7: Handling and Storage

7.1 Precautions for Safe Handling

Handling:

Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Store in a well ventilated place. Keep cool. Wear eye protection.

7.2 Conditions for Safe Storage

Incompatibilities:

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

8: Exposure Controls/Personal Protection

8.1 Exposure Guidelines

Hazardous Ingredient	OSHA PEL	ACGIH TLV
Ethyl Alcohol	1000 ppm	1000 ppm
Isopropyl Alcohol	500 ppm	400 ppm

8.2 Appropriate Engineering Controls/Ventilation

Engineering Measures: General ventilation and local exhaust should be adequate.

8.3 Individual Protection Measures (Such as Personal Protective Equipment)

Personal Protective Equipment: None.

Respiratory Protection: Not required.

Additional Measures: Take precautionary measures against static discharge. Wear eye protection. Wash hands thoroughly after handling.

9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Clear, Colorless Gel

Odor: Mild odor

Odor Threshold: No Data Available

Property	Values
pH	7.0-7.8
Melting Point/Range	No Data Available
Boiling Point/Range	80°C (176°F)
Flash Point	22.5°C
Evaporation Rate	<0.8 (Slow)
Flammability (Solid, Gas)	Highly Flammable Liquid
Lower Flammability Limit	No Data Available
Upper Flammability Limit	No Data Available

Property	Values
Explosive Limit Lower	No Data Available
Explosive Limit Upper	No Data Available
Vapor Pressure (mm Hg)	Not Established
Vapor Density (AIR=1)	1
Relative Density (H2O=1)	0.895-0.915 @ 77°F (25°C)
Solubility (IES)	100% Water
Partition Coefficient: n-Octanol/Water (Kow)	No Data Available
Autoignition Temperature	No Data Available
Decomposition Temperature	No Data Available
Viscosity	Extrapolated Kinematic Viscosity is 240 mm ² /s

10: Stability and Reactivity

10.1 Reactivity

None known.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

None known.

10.4 Conditions to Avoid

Sources of ignition.

10.5 Incompatible Materials

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

10.6 Hazardous Decomposition Products

Oxides of carbon.

11: Toxicological Information

11.1 Toxicological Information

Not Established.

11.2 Routes of entry

Eyes, Ingestion, Inhalation.

11.3 Eyes

May cause mild irritation.

11.4 Ingestion

Not a likely route of exposure under normal product handling conditions.

11.5 Inhalation

No hazards with normal use. May cause irritation of the respiratory tract.

11.6 Skin

Product is meant to be applied to skin. If you suspect a reaction discontinue use, take off clothing, and rinse skin immediately with water for 15-20 minutes.

11.7 Medical condition aggravated

Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

11.8 Acute health hazards

None known.

11.9 Chronic health hazards

None known.

11.10 Carcinogenicity

OSHA: No

ACGIH: No

NTP: No

IARC: No

OTHER: N/A

12: Ecological Information

12.1 Ecotoxicity

Not established.

12.2 Persistence and Degradability

This product is biodegradable.

12.3 Bioaccumulative Potential

This product is not expected to bioaccumulate.

12.4 Mobility in soil

This product is mobile in soil.

12.4 Other Adverse Effects

None known.

13: Disposal Considerations

13.1 Waste Disposal

Dispose of contents in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

13.2 RCRA Status

Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

14: Transportation Information

14.1 Proper Shipping Name

Packaging less than or equal to 1.3 Gallons: Cleaning Compound, N.O.S. Packaging larger than 1.3 Gallons: Ethanol Solutions

HAZARD CLASS/DIVISION 3

UN/NA NUMBER Packaging less than or equal to 1.3 Gallons: N/A. Packaging larger than 1.3 Gallons: UN1170

PACKING GROUP III (PG reclassified per CFR 171.121(b) allowing for LTD QTY status for gallon products per CFR 173.150)

SAFETY DATA SHEET



14.2 Air Shipment

PROPER SHIPPING NAME	Packaging less than or equal to 1.3 Gallons: Cleaning Compound, N.O.S. Packaging larger than 1.3 Gallons: Ethanol Solutions
HAZARD CLASS/DIVISION	3
UN/NA NUMBER	Packaging less than or equal to 1.3 Gallons: N/A. Packaging larger than 1.3 Gallons: UN1170
PACKING GROUP	III (PG reclassified per CFR 171.121(b) allowing for LTD QTY status for gallon products per CFR 173.150)

14.3 Shipping By Water: VESSEL (IMO/IMDG)

PROPER SHIPPING NAME	Packaging less than or equal to 1.3 Gallons: Cleaning Compound, N.O.S. Packaging larger than 1.3 Gallons: Ethanol Solutions
HAZARD CLASS/DIVISION	3
UN/NA NUMBER	Packaging less than or equal to 1.3 Gallons: N/A. Packaging larger than 1.3 Gallons: UN1170
PACKING GROUP	III (PG reclassified per CFR 171.121(b) allowing for LTD QTY status for gallon products per CFR 173.150)
ENVIRONMENTAL HAZARDS WATER	N/A

15: Regulatory Information

15.1 Legend

TSCA All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) None

SARA 311/312 HAZARD CATEGORIES None

SARA 313 REPORTABLE INGREDIENTS None

CLEAN WATER ACT None

STATE REGULATIONS California Proposition 65: None

INTERNATIONAL REGULATIONS All components are listed or exempted.

VOLATILE ORGANIC COMPOUNDS (VOC) None

SAFETY DATA SHEET



NFPA	
Health	1
Flammability	3
Reactivity	0
Other	None

HMIS	
Health	1
Flammability	3
Reactivity	0
Protection	A

16: Other Information

Preparation By: Andrew Bach

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N/A: Not Applicable; N/D: Not Determined

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