

# SAFETY DATA SHEET

## 1. IDENTIFICATION

### Product identifier

Product Name: LIQUID HAND SANTIZER / Isopropyl Alcohol 75% Topical Solution (Non-Sterile Solution)

### Other means of identification

Product Number: BIPAWASH8, BIPAWASH10, BIPAWASH16, BIPAWASH12  
BIPAWASH1, BIPAWASH5, BIPAWASH55

Synonyms Hand Sanitizer

### Manufacturers Address

PO Box 715  
Somerset, PA 15501



### Emergency telephone number

### Emergency Phone Numbers

For Transportation Emergencies, call  
Chemtrec: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable liquids	Category 2
Eye Irritation	Category 2A
Specific target organ toxicity	Category 3

### Signal word

Warning

### Hazard statements

Highly flammable liquid and vapor  
Causes serious eye irritation



**Appearance** Clear, colorless

**Physical State** Thin liquid

**Odor** Alcohol

### Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Keep container tightly closed.  
Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.  
Take precautionary measures against static discharge.

#### **Precautionary Statements - Response**

If on skin (or hair): Wash contaminated clothing before reuse.

In case of fire: Use dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray to extinguish.

#### **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool.

#### **Precautionary Statements - Disposal**

Dispose of contents in accordance with all applicable federal, state, and local regulations.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight %
Isopropyl alcohol	67-63-0	75 %
Sterile distilled water	7732-18-5	23-22%
Glycerol	56-81-5	1-2%
Hydrogen Peroxide	7722-84-1	<1%

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

### **4. FIRST AID MEASURES**

#### **First aid measures**

##### **General Advice**

Show this safety data sheet to the doctor in attendance.

##### **Eye Contact**

If in eyes, rinse slowly and gently with water for 15–20 minutes. If present, remove contact lenses. Call a poison control center or doctor for further treatment advice.

##### **Skin Contact**

Not applicable.

##### **Inhalation**

Move to fresh air. If breathing problems develop, call a doctor.

##### **Ingestion**

Do not induce vomiting. Call a doctor or poison control center.

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

##### **Most Important Symptoms and Effects**

See Section 11 for information.

#### **Indication of any immediate medical attention and special treatment needed**

##### **Notes to Physician**

Treat symptomatically.

### **5. FIRE-FIGHTING MEASURES**

#### **Suitable Extinguishing Media**

Dry chemical, carbon dioxide (CO<sub>2</sub>), foam, or water spray.

#### **Specific Hazards Arising from the Chemical**

Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back.

Oxides of carbon.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand. Keep containers cool with water spray.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

<b>Personal Precautions</b>	Ensure adequate ventilation. Use personal protective equipment as required. Eliminate all potential sources of ignition. Take precautionary measures against static discharges.
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**Environmental precautions**

<b>Environmental Precautions</b>	Prevent entry into surface water or sanitary sewers. See Section 12 for additional ecological information.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
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<b>Methods for Cleaning Up</b>	Eliminate all potential sources of ignition, and ventilate area. Absorb and containerize. Do not flush into surface water or sanitary sewer system.
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## **7. HANDLING AND STORAGE**

**Precautions for safe handling**

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, and flames. Do not eat, drink, or smoke when using this product.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage</b>	Store in accordance all applicable regulations and fire codes. Keep containers tightly closed in a cool, well-ventilated place away from heat, sparks, open flames, and hot surfaces.
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<b>Incompatible Products</b>	Oxidizing agents.
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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m³	TWA: 400 ppm TWA: 980 mg/m³  STEL: 500 ppm STEL: 1225 mg/m³
Glycerol 56-81-5	TWA: 10 mg/m3	TWA: 15 mg/m³	
Hydrogen peroxide	TWA: 1 ppm	TWA: 1.4mg/m³	TWA: 1.4mg/m³ IDLH: 75ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	None required for consumer use. If splashes are likely to occur, wear safety glasses.
Skin and Body Protection	No special protective equipment required.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Thin liquid		
Appearance	Clear	Odor	Alcohol
Color	colorless	Odor Threshold	No information available
Property	Values	Remarks/ Method	
pH	5 - 7	None known	
Melting/freezing point	No data available	None known	
		None known	
Boiling point / boiling range	180°F		
Flash Point	18°C / 65°F	None known	
Evaporation rate	< 1	None known	
Flammability (solid, gas)	No data available	None known	
Flammability Limits in Air			
Upper flammability limit	No data available	None known	



<b>Lower flammability limit</b>	No data available	None known
<b>Vapor pressure</b>	30mm Hg 20°C	None known
<b>Vapor density</b>	No data available	None known
<b>Specific Gravity</b>	~0.89	None known
<b>Water Solubility</b>	Complete	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient:</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known

## 10. STABILITY AND REACTIVITY

**Reactivity** Stable.

### **Chemical stability**

Stable under recommended storage conditions.

### **Possibility of Hazardous Reactions**

Vapors may form reactive mixture with air.

### **Conditions to avoid**

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

### **Incompatible materials**

Strong oxidizers.

### **Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

#### **Product Information**

<b>Inhalation</b>	Inhalation of high concentrations of vapor or mist may cause dizziness.
<b>Eye Contact</b>	May cause slight irritation.
<b>Skin Contact</b>	No known significant effects or critical hazards.
<b>Ingestion</b>	No known significant effects or critical hazards.

#### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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Isopropyl alcohol 67-63-0	4.4 g/kg (Rat)	12.9 g/kg (Rabbit)	16000 (Rat, 8 h)
Glycerol 56-81-5	27.2 g/kg (Rat)	10g/kg (Rabbit)	No DATA
Hydrogen Peroxide	27.2 g/kg (Rat)	2g/kg (Rabbit)	2 g/m3 (Rat 4h)

#### **Information on toxicological**

##### **effects**

##### **Symptoms**

May cause slight redness and tearing of eyes.

## **12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

## **13. DISPOSAL CONSIDERATIONS**

##### **Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations.

##### **Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

## **14. TRANSPORT INFORMATION**

### **DOT**

UN/ID/NA number : UN 1219

Proper shipping name : ISOPROPANOL

Class : 3

Packing group : II

Labels : FLAMMABLE LIQUID

Limited Quantities for packages not over 1 Liter Exempt

DOT-SP 9275 for packages under 1 gallon.

## **15. REGULATORY INFORMATION**

### **Chemical Inventories**

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. EPA Label Information

EPA Pesticide Registration Number 73232-1

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label includes other important information, including directions for use.

U.S. Federal Regulations

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.

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

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).

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
Isopropyl alcohol 67-63-0	X	X	X	X
Glycerol 56-81-5			X	

NFPA    Health Hazard 2    Flammability 3    Instability 0    Physical and Chemical Hazards-

HMIS    Health Hazard 2    Flammability 3    Physical Hazard 0    Personal Protection -

**Prepared by:** C.Flick  
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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.