


# Safety Data Sheet

Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

## SECTION I - IDENTIFICATION

 <b>Research Solutions</b> <sup>®</sup>	Research Solutions Group, Inc. 402 Industrial Park Drive Pelham, AL 35124 (205) 663-6350 Chemtrec :..... (800) 424-9300
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<b>Product Number</b>	110080
<b>Product Name</b>	Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution
<b>Chemical Family</b>	Solvent Blend
<b>CAS Number</b>	Multiple
<b>Date Prepared</b>	3/23/2020
<b>Revision Date</b>	3/23/2020
<b>Recommended Use</b>	Industrial Use Only

## SECTION II - HAZARDOUS IDENTIFICATION

### GHS CLASSIFICATION:

#### Classification

Flammable Liquids

Category 2

Serious Eye Damage/Eye Irritation

Category 2A

### DANGER!

#### GHS LABEL:



#### Hazard Statements

H225 Highly flammable liquid and vapor

H319 Causes serious eye irritation

## Safety Data Sheet

### Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

#### Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures to prevent static discharge.
P264	Wash hands and exposed body parts thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P337+313	If eye irritation persists get medical advice/attention.
P370+378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403+235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal facility.

#### **SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS**

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Hydrogen peroxide	7722-84-1	<0.2%	1.0 ppm	1.0 ppm
Isopropyl Alcohol	67-63-0	70-80%	400 ppm	200ppm (TWA)
Water	7732-18-5	20-30%	Not Established	Not Established
Glycerin	56-81-5	<2%	15 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup>

#### **SECTION IV - FIRST AID MEASURES**

**Contact with eyes:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for 15 minutes. Seek immediately medical attention.

**Skin contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

**Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.

## Safety Data Sheet

### Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### SECTION V - FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, dry chemical.

**Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

**Unusual Fire Fighting Hazards:** Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distance to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Keep all sources of ignition and hot metal surfaces away from spill or release.  
Evacuate all unprotected personnel from the area.

**Environmental Precautions:** Prevent liquid from entering drains, sewers or waterways.  
Contain spill if it can be done with minimal risk.  
Notify proper authorities.

**Methods for Cleaning Up:** Use foam on spills to minimize vapors.  
Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

#### SECTION VII - HANDLING AND STORAGE

**Handling and Storage:**

- NFPA Class I storage.
- Vent container carefully before opening.
- Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended.
- "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
- Keep containers tightly closed when not in use.
- Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.

## Safety Data Sheet

Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

### SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

#### EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Hydrogen peroxide	7722-84-1	1.0 ppm	1.0 ppm
Isopropyl Alcohol	67-63-0	400 ppm	200ppm (TWA)
Water	7732-18-5	Not Established	Not Established
Glycerin	56-81-5	15 mg/m3 TWA	10 mg/m3

**Engineering Controls:** Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

**Monitoring:** Follow accepted work practices for handling a flammable material.  
Do not eat, drink or smoke in areas where this chemical is used or stored.  
Have eye wash stations and safety showers readily available.

#### Personal Protective Equipment (PPE)

**Eye Protection:** Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

**Skin Protection:** Impervious solvent resistant gloves.  
Impervious apron and work boots recommend where splashing may occur.

**Respiratory Protection:** Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Strong Alcohol Odor
<b>pH@25°C</b>	No data available
<b>Melting/Freezing Point</b>	No data available
<b>Flashpoint</b>	66°F, TCC
<b>Specific Gravity</b>	0.859
<b>Solubility</b>	Complete
<b>Auto-Ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>VOC Content</b>	70% (4.9#/gal)
<b>Odor Threshold</b>	No data available
<b>Boiling Range</b>	180-212°F
<b>Evaporation Point</b>	No data available
<b>Flammable Limits - Upper</b>	8.9%
<b>Flammable Limits - Lower</b>	1.4%
<b>Vapor Pressure</b>	28.0 mmHg @ 20°F
<b>Vapor Density (Air=1)</b>	1.7 (Air=1)
<b>Viscosity</b>	No data available

## Safety Data Sheet

Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

### SECTION X - STABILITY AND REACTIVITY

**Stability:** Stable, under normal conditions of storage and handling.

**Conditions to Avoid:** Extreme heat and ignition sources.

**Hazardous Decomposition/Byproducts:** Oxides of carbon and various hydrocarbons under extreme fire conditions.

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

**Incompatibilities:** Strong Oxidizers and Alkali Metals

### SECTION XI - TOXICOLOGICAL INFORMATION

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**Inhalation:** May cause irritation to the upper respiratory tract and CNS depression.

**Eye Contact:** Causes eye irritation including stinging, watering and redness which may result in corneal injury.

**Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.  
No harmful effects from skin adsorption are expected.

**Ingestion:** Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

**Acute Toxicity Value:** See Health Hazards below.

**Chronic (Long Term) Effects:** See Health Hazards above.

#### Toxicity:

Component Name	LD50	LC50
Hydrogen peroxide	Oral - rat - 415 mg/kg - Dermal - rabbit - >5000 mg/kg	Inhalation - rat - > 0.17 mg/l
Isopropyl Alcohol	Oral - Rat - 5,045 mg/kg - Dermal - Rabbit - 12,800 mg/kg	Inhalation - Rat - 8 h - 16000 ppm

## Safety Data Sheet

### Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

Water	Not Established	Not Established
Glycerin	Oral - mouse - 4090mg/kg; Oral - rabbit - 27 mg/kg; Oral - rat -	Inhalation - rat - 1H/> 570 mg/m3

<b>Reproductive Effects</b>	Not Applicable
<b>Teratogenicity</b>	Not Applicable
<b>Mutagenicity</b>	Not Applicable
<b>Embryotoxicity</b>	Not Applicable
<b>Sensitization to Product</b>	Not Applicable
<b>Synergistic Products</b>	Not Applicable
<b>Carcinogenicity</b>	Not Listed as a Carcinogen

#### SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicity:** Information not available.

**Mobility:** Information not available.

**Degradability:** Information not available.

**BioAccumulation:** Information not available.

#### SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, State and local regulations.

#### SECTION XIV - TRANSPORT INFORMATION

##### DOT SHIPPING INFORMATION

**Proper Shipping Name:** Alcohols, N.O.S.  
**Contains:** Isopropyl Alcohol  
**Hazard Class and Label:** 3  
**Identification Number:** UN 1987  
**Packaging Group:** III  
**Other Shipping Info:**

## Safety Data Sheet

Hand Sanitizer - Isopropyl Alcohol Antiseptic 75% Topical Solution

### SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:**..... The components of this product are listed on the TSCA Inventory

**SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:**

Component Name	CAS #	% by wt.	RQ (lbs.)	TPQ (lbs.)
Hydrogen peroxide	7722-84-1	<0.2%	1,000	1,000

**SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:**

Acute	Chronic	Fire	Pressure	Reactive
X	X	X		

**SARA TITLE III SECTION 313 SUPPLIER INFORMATION:**

No chemicals in this material are subject to the reporting requirements.

**CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:**

No chemicals in this material are subject to the reporting requirements.

**CALIFORNIA PROPOSITION 65:**

No chemicals in this material are subject to the reporting requirements.

### SECTION XVI - OTHER INFORMATION

**HMIS Health:** ..... 1

**HMIS Flammability:** ..... 3

**HMIS Reactivity:** ..... 0

**Additional:**

**Specification Information**

**Department issuing data sheet:** Compliance Department

**Email address:** tech.service@researchsolutionsgroup.com

**Training necessary:** Training is required per the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 29 CFR 1910.1200.

**Disclaimer:**

\*\* HMIS rating involve data and interpretations that vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this SDS must be considered.

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