



Kirby

SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product Name Hand Sanitizer Topical Solution

Other means of identification

Synonyms Hand Sanitizer

Distributor Address

Best Sanitizers, Inc.

PO Box 1360

Penn Valley, CA 95946

Emergency telephone number

Emergency Phone Numbers In Case of Emergency Contact
Chem-Tel: 1-800-255-3924

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 (CO₂), 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
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Chemical Name	CAS No.	Weight %	Trade Secret
Isopropyl alcohol	67-63-0	72-80	*

* 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.
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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 (CO₂), 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.

Hazardous Combustion Products

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Eliminate all potential sources of ignition. Take precautionary measures against static discharges.

Environmental precautions

Environmental Precautions Prevent entry into surface water or sanitary sewers. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Eliminate all potential sources of ignition, and ventilate area. Absorb and containerize. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling 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.

Conditions for safe storage, including any incompatibilities

Storage 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.

Incompatible Products Oxidizing agents.

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/m ³	TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

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

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	Odor	Alcohol
Appearance	Clear	Odor Threshold	No information available
Color	colorless		
Property	Values	Remarks/ Method	
pH	5 - 7	None known	
Melting/freezing point	No data available	None known	
Boiling point / boiling range	180°F	None known	
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	
Lower flammability limit	No data available	None known	
Vapor pressure	30mm Hg 20°C	None known	
Vapor density	No data available	None known	
Specific Gravity	~0.89	None known	
Water Solubility	Complete	None known	
Solubility in other solvents	No data available	None known	
Partition coefficient:	No data available	None known	
Autoignition temperature	No data available	None known	
Decomposition temperature	No data available	None known	
Kinematic viscosity	No data available	None known	
Dynamic viscosity	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

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

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl alcohol 67-63-0	4.4 g/kg (Rat)	12.9 g/kg (Rabbit)	16000 (Rat, 8 h)

Information on toxicological effects

Symptoms	May cause slight redness and tearing of eyes.
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Ecotoxicity

Persistence and Degradability

No information available.

Bioaccumulation

Chemical Name	Partition Coefficient
Isopropyl alcohol 67-63-0	0.05

Other adverse effects

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. 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

16. OTHER INFORMATION

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

Revision Date: 02/12/2019

Reasons for Revision:

**Company Policy or
Disclaimer:**

While the information is believed to be correct, Kirby Chemical Company shall in no event be responsible for any damages whatsoever, either directly or indirectly, resulting from any publication or use of or reliance upon data contained herein. No warranty, either expressed or implied, of merchantability, of fitness for a particular purpose, or of any other nature with respect to the product or to the data, is made herein.

The information contained in this Material Safety Data Sheet is supplied pursuant to OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements