

SAFETY DATA SHEET

Isopropyl Rubbing Alcohol 70%

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code:	1200	
Product Name:	Isopropyl Rubbing Alcohol 70%	Phone Number:
Distributed By:	3G Packaging Inc.	+1 (585)342-6060
	622 Hollenbeck Street	
	Rochester, New York	
Emergency Contact:	CHEMTREC	+1 (800)424-9300
Intended Use:	Antiseptic	

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 2

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word:

Danger

GHS Hazard Phrases:

H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

GHS Precautionary Phrases:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash hands thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P235 - Keep cool.

GHS Response Phrases:

P370+378 - In case of fire, use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:

P403+233 - Store container tightly closed in well-ventilated place. P405 - Store locked up.

P501 - Dispose of contents and containers in accordance with local, regional, national, and international regulations.

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Additional Hazards Information

This material is an over-the-counter consumer product that is safe for consumers with intended and reasonably foreseeable use. Please follow label instructions. NOTE: The GHS Signal Word and warnings are for exposure to large quantities of the product. Normal usage should not create a hazardous condition.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
67-63-0	Isopropyl alcohol	70.0 %
7732-18-5	Water	30.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In Case of Inhalation:

Consult a physician.

Get medical attention if irritation persists.

In Case of Skin Contact:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical attention if irritation persists.

In Case of Eye Contact:

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

In Case of Ingestion:

Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

Note to Physician:

5. FIRE FIGHTING MEASURES

Flash Pt: NA Method Used: Not Applicable

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media: Water spray may be ineffective on fire but can protect firefighters and cool closed containers.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

Flammable Properties and Hazards: Vapor may travel considerable distance to source of ignition and flash back. Cool containers with water spray until well after the fire is out.

Hazardous Combustion Products: High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.

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6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.
Steps To Be Taken In Case Material Is Released Or Spilled:	Ensure adequate ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent further leakage or spillage if safe to do so. Use clean non-sparking tools to collect absorbed material. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Do not eat, drink, or smoke when using. Avoid contact with eyes. Avoid inhalation of vapor or mist.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Store between 40F - 100F Keep from freezing. Protect containers against damage. Keep container tightly closed when not in use.
Other Precautions:	Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-63-0	Isopropyl alcohol	NIOSH	TWA: 980 mg/m ³ (400 ppm) STEL: 1225 mg/m ³ (500 ppm)	

Respiratory Equipment (Specify Type):	Not required under normal conditions of use with adequate ventilation. If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
Eye Protection:	If splash is likely, goggles may be needed.
Protective Gloves:	Not required under normal use conditions.
Other Protective Clothing:	Not required under normal use conditions.
Engineering Controls (Ventilation etc.):	Use a local or general, mechanical exhaust ventilation system capable of maintaining emissions in the work area, below the OSHA-PEL or ACGIH-TLV. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Environmental Exposure Controls:	Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Appearance: Clear. Liquid. Odor: alcohol-like.
pH:	Not applicable
Melting Point:	-89 °C
Boiling Point:	82 °C (1013 hPa)
Flash Pt:	12 °C
Evaporation Rate:	2.3 (butyl acetate =1), 21 (ether =1)
Flammability (solid, gas):	May be ignited by friction, heat, sparks or flames.
Explosive Limits:	2 – 13 vol % , 50 – 335 g/m
Vapor Pressure (vs. Air or mm Hg):	44 hPa (20 °C)
Vapor Density (vs. Air = 1):	2.1
hPa Specific Gravity (Water = 1):	0.88
g/mL Density:	NA
Solubility in Water:	Soluble in water. Water: miscible
Saturated Vapor Concentration:	NA
Octanol/Water Partition Coefficient:	No data.
Autoignition temperature:	399 °C
Decomposition Temperature:	No data.
Viscosity:	NA
Viscosity, kinematic :	2.532 mm ² /s (25 °C)
Viscosity, dynamic :	2.1 mPa·s (25 °C)

10. STABILITY AND REACTIVITY

Reactivity:	Not reactive at normal temperatures and pressures.
Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatibility - Materials To Avoid:	Strong oxidizing agents, Halogenated compounds, Isocyanates, Ethylene oxide, Acetaldehyde, Acids.
Hazardous Decomposition or Byproducts:	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: nitrogen.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	No data available.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information:	<p>Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No information available. Mutagenicity: No information available. Neurotoxicity: No information available.</p> <p>Other Studies: CAS# 67-63-0: Acute toxicity, LD50, Oral, Rat, 5045 mg/kg. Other Studies: CAS# 64-17-5: Acute toxicity, LD50, Oral, Rat, 7060 mg/kg</p>
Irritation or Corrosion:	<p>Other Studies: CAS# 67-63-0: Standard Draize Test, Skin, Species: Rabbit, 500 mg Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H. Other Studies: CAS# 64-17-5: Standard Draize Test, Skin, Species: Rabbit, 20 mg, 24H Standard Draize Test, Eyes, Species: Rabbit, 500 mg, 24H.</p>
Symptoms related to Toxicological Characteristics:	Prolonged contact may cause skin irritation. Causes eye irritation. Inhalation of vapors in high concentration may cause respiratory irritation. May be harmful if swallowed.
Sensitization:	No data available.
Carcinogenicity/Other Information:	Ethanol possesses properties that indicate a carcinogenicity hazard for human health but these are manifest only at doses associated with consumption of alcoholic beverages. In the context of an industrial chemical, these hazards do not warrant concern as these are not likely to result from the manufacture and use of ethanol and ethanol containing products.
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

12. ECOLOGICAL INFORMATION

General Ecological Information:	<p>Environmental: No information available. Physical: No information available.</p> <p>Other Studies: CAS# 67-63-0: LC50, Water Flea (Daphnia magna), 10000 mg/L, 24H LC50, Fathead Minnow (Pimephales promelas), 6550000 ug/L, 96H. Other Studies: CAS# 64-17-5: LC50, Water Flea (Daphnia magna), neonate, 5680 mg/L, 48H LC50, Fathead Minnow (Pimephales promelas), juveniles, 13480000 ug/L, 96H LC50, Brine shrimp (Artemia salina), 695350 ug/L, 24H.</p>
Results of PBT and vPvB assessment:	No data available.
Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

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13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT): Isopropanol [or] Isopropyl alcohol.

DOT Proper Shipping Name: 3 FLAMMABLE LIQUID

DOT Hazard Class:

UN/NA Number: UN1219

Packing Group: II



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-63-0	Isopropyl alcohol	No	No	Yes (70%)

EPA SARA Title III Section 313 Toxic Release Inventory.

This product contains a toxic chemical or chemicals subject to the reporting requirements of EPCRA Section 313 (40 CFR Section 372).

CAS #	Hazardous Components (Chemical Name)
67-63-0	Isopropyl alcohol

Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E; SC TAP: No

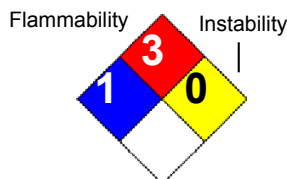
Regulatory Information:

16. OTHER INFORMATION

Revision Date: 06/03/2020

Preparer Name: A.Trader

Hazard Rating System:



Additional Information:

SAFETY DATA SHEET

Health

Isopropyl Rubbing Alcohol 70%Special
Hazard**NFPA:**

No data available.

**Company Policy or
Disclaimer:**

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.