

# SAFETY DATA SHEET

## ISOPROPYL ALCOHOL 70%

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### 1. Product and Company Identification

**Product Code:** 00201  
**Product Name:** ISOPROPYL ALCOHOL 70%  
**Company Name:** SIERRA CHEMICAL COMPANT  
888 NORTHPORT DRIVE  
WEST SACRAMENTO, CA 95691  
**Phone Number:** (916)371-5943  
**Email address:** sierrachem@aol.com  
**Emergency Contact:** CERTS (Exposure emergencies only) (800)552-3787  
**Information:** Information (916)371-5943

### 2. Hazards Identification

Flammable Liquids, Category 2

Serious Eye Damage/Eye Irritation, Category 2A

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 Precaution Phrases:** P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 - Keep container tightly closed.  
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/eye protection/face protection.  
P235 - Keep cool.

**GHS Response Phrases:** 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.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
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/container to trash after rinsing container.

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**Potential Health Effects  
(Acute and Chronic):**

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

Chronic: None.

**Inhalation:**

No hazard expected in normal industrial use.

**Skin Contact:**

Non-irritating to the skin.

**Eye Contact:**

Non-irritating to the eyes.

**Ingestion:**

No hazard expected in normal industrial use.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	70.0 %
7732-18-5	Water	30.0 %

### 4. First Aid Measures

**Emergency and First Aid  
Procedures:**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**In Case of Inhalation:**

If breathed in, move person into fresh air. Consult a physician. No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

**In Case of Skin Contact:**

Wash off with soap and plenty of water. Consult a physician. No specific treatment is necessary, since this material is not likely to be hazardous.

**In Case of Eye Contact:**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. No specific treatment is necessary, since this material is not likely to be hazardous.

**In Case of Ingestion:**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. No specific treatment is necessary, since this material is expected to be non-hazardous.

**Signs and Symptoms Of  
Exposure:**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Note to Physician:**

None known.

### 5. Fire Fighting Measures

2

**Flash Pt:**

12.00 C Method Used: Closed Cup

**Explosive Limits:**

LEL: 2 UEL: 12

**Autoignition Pt:**

399.00 C

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. Not available.**Fire Fighting Instructions:**

Wear self contained breathing apparatus for fire fighting if necessary.

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

Material will not burn.

**Flammable Properties and  
Hazards:**

Carbon oxides.

**Hazardous Combustion**

No data available.

**Products:**

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### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2. No special handling procedures are required.
<b>Precautions To Be Taken in Storing:</b>	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Handle and store under inert gas. Hygroscopic. No special storage requirements.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
7732-18-5	Water	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	NIOSH	TWA: 980 mg/m3 (400 ppm) STEL: 1225 mg/m3 (500 ppm)	

#### Personal Protective Equipment Symbols:

<b>Respiratory Equipment (Specify Type):</b>	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respirator protection is not normally required.
<b>Eye Protection:</b>	Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Eye protection is not normally required.
<b>Protective Gloves:</b>	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact. Material: Nitrile rubber Minimum layer thickness: 0.4 mm. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Protective garments not normally

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	required.
<b>Other Protective Clothing:</b>	Impervious clothing. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Protective garments not normally required.
<b>Engineering Controls (Ventilation etc.):</b>	There are no special ventilation requirements.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
<b>Environmental Exposure Controls:</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Appearance and Odor:</b>	Clear liquid. alcohol-like.
<b>pH:</b>	NP
<b>Freezing Point:</b>	-62.10 C - 0.00 C
<b>Boiling Point:</b>	87.70 C - 0.00 C
<b>Flash Pt:</b>	12.00 C    Method Used: Closed Cup
<b>Evaporation Rate:</b>	1.3 (BuAC=1) at 25.0 C
<b>Flammability (solid, gas):</b>	No data available.
<b>Explosive Limits:</b>	LEL: 2                      UEL: 12
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	2.1 - Air = 1    at 25.0 C
<b>Specific Gravity (Water = 1):</b>	0.785    at 25.0 C
<b>Solubility in Water:</b>	100%    at 25.0 C
<b>Octanol/Water Partition Coefficient:</b>	No data.
<b>Percent Volatile:</b>	100.0 % by weight.
<b>Autoignition Pt:</b>	399.00 C
<b>Decomposition Temperature:</b>	NA
<b>Viscosity:</b>	Water thin

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Instability:</b>	Heat, flames and sparks. Extremes of temperature and direct sunlight.
<b>Incompatibility - Materials To Avoid:</b>	Oxidizing agents, Acid anhydrides, Aluminum, Halogenated compounds, Acids. None.
<b>Hazardous Decomposition or Byproducts:</b>	Other decomposition products: No data available. In the event of fire: see section 5. None.
<b>Possibility of Hazardous Reactions:</b>	Will occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>
<b>Conditions To Avoid - Hazardous Reactions:</b>	Vapors may form explosive mixture with air.



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### 11. Toxicological Information

<b>Toxicological Information:</b>	Germ cell mutagenicity. No data available. Reproductive toxicity. Aspiration hazard: Epidemiology: Teratogenicity: No data available. Reproductive Effects: Neurotoxicity: Other Studies:
<b>Irritation or Corrosion:</b>	Skin corrosion/irritation. Provide adequate ventilation. Result: Tumorigenic: Tumors at site or application. Mild eye irritation Serious eye damage/eye irritation Eyes -rabbit. Serious eye damage/eye irritation: Eyes - rabbit -
<b>Chronic Toxicological Effects:</b>	Specific target organ toxicity - single exposure: Inhalation. Oral. May cause drowsiness or dizziness. Specific target organ toxicity - repeated exposure:
<b>Carcinogenicity/Other Information:</b>	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	n.a.	3	A4	n.a.
7732-18-5	Water	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

	No data available.
<b>Results of PBT and vPvB assessment:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 13. Disposal Considerations

<b>Waste Disposal Method:</b>	Product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
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### 14. Transport Information

#### LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Isopropyl alcohol. Solution.

DOT Hazard Class: 3 FLAMMABLE LIQUID

UN/NA Number: UN1219

Packing Group: II



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**LAND TRANSPORT (Canadian TDG):****TDG Shipping Name:** Not regulated under U.S. Department of Transportation regulations (29 CFR)**AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** Isopropyl alcohol. Solution.

### 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 {sec-Propyl alcohol; IPA; 2-Propanol}	No	No	Yes
7732-18-5	Water	No	No	No

**CAS # Hazardous Components (Chemical Name)****Other US EPA or State Lists**

67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
7732-18-5	Water	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

### 16. Other Information

**Revision Date:** 07/20/2017**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

THE INFORMATION CONTAINED HEREIN is based upon available information at the time of preparation and is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that the information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or any other user proximately caused by the material if misused or if reasonable safety procedures are not adhered to as stipulated in the data sheet and on the product label. Furthermore, vendor assumes no responsibility for injury or damage caused by abnormal use of this material even if reasonable safety measures are followed.