

[Return to MSDS List](#) , First MSDS in list. , [Next MSDS](#)

MATERIAL SAFETY DATA SHEET

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SECTION 1. Product and Company Identification 70% ISOPROPYL ALCOHOL

Product Code: HH-70% ISO ALCO
Product Name: 70% ISOPROPYL ALCOHOL
Manufacturer Information
Company Name: Distributed by:
 Farnam Companies, Inc.
 301 West Osborn Road
 Phoenix, AZ
Emergency Contact: Animal or human exposure (800)234-2269
Alternate Emergency Contact: CHEMTREC (Emergency spills) (800)424-9300
Information: Farnam Companies (800)234-2269
Chemical Family: Alcohol Mixture
Additional Identity Information
 77305

SECTION 2. Composition/Information on Ingredients 70% ISOPROPYL ALCOHOL

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TWA	Other Limits
Isopropyl alcohol	67-63-0	70.0 %	400 ppm	200 ppm	No data.
Hazardous Components (Chemical Name)	CAS #	OSHA STEL	OSHA CEIL	ACGIH STEL	ACGIH CEIL
Isopropyl alcohol	67-63-0	No data.	No data.	400 ppm	No data.

SECTION 3. Hazards Identification 70% ISOPROPYL ALCOHOL

Emergency Overview

KEEP OUT OF THE REACH OF CHILDREN

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

Potential Health Effects (Acute and Chronic)

Contact with skin or eyes may irritate and burn. Inhalation can irritate nose and throat. Overexposure can cause headache, drowsiness, confusion, loss of coordination, unconsciousness and death.

Signs and Symptoms Of Exposure

Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness, respiratory depression and death may occur.

Medical Conditions Generally Aggravated By Exposure

Pre-existing eye and/or skin irritation, respiratory, and/or digestive disorders.

SECTION 4. First Aid Measures 70% ISOPROPYL ALCOHOL

Emergency and First Aid Procedures

IF INHALED: Remove victim to fresh air and provide oxygen if breathing is difficult. Obtain medical attention.

IF ON SKIN: Flush skin with plenty of water. If irritation occurs, seek medical attention.

IF INGESTED: Do not give liquids if victim is unconscious or drowsy. Otherwise give no more than 2 glasses of water and induce vomiting. Obtain medical attention.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.

SECTION 5. Fire Fighting Measures 70% ISOPROPYL ALCOHOL

Flash Pt: 70.00 F Method Used: Small Scale Open Cup

Explosive Limits: LEL: 2% UEL: 12%

Autoignition Pt: NE

Fire Fighting Instructions

Warning. Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Flammable Properties and Hazards

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Hazardous Combustion Products

No data available.

Extinguishing Media

Use water spray, water fog, "alcohol" foam, dry chemical or CO₂

Unsuitable Extinguishing Media

None known

SECTION 6. Accidental Release Measures 70% ISOPROPYL ALCOHOL

Steps To Be Taken In Case Material Is Released Or Spilled

Keep out of surface waters, sewers, and waterways entering or leading to surface waters. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

SECTION 7. Handling and Storage 70% ISOPROPYL ALCOHOL

Precautions To Be Taken in Handling

Avoid heat or sparks.

Precautions To Be Taken in Storing

No data available.

Other Precautions

None known.

SECTION 8. Exposure Controls/Personal Protection 70% ISOPROPYL ALCOHOL

Respiratory Equipment (Specify Type)

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection

Wear chemical goggles to protect eyes.

Protective Gloves

Wear chemical resistant gloves.

Other Protective Clothing

No data available.

Engineering Controls (Ventilation etc.)

Provide local exhaust ventilation and supply fresh air to maintain a safe work environment.

Work/Hygienic/Maintenance Practices

Safety showers and eye wash stations should be available.

Odor Threshold; Isopropanol = 43 ppm.

SECTION 9. Physical and Chemical Properties 70% ISOPROPYL ALCOHOL
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Physical States:	[] Gas [X] Liquid [] Solid
Melting Point:	NA - N.A.
Boiling Point:	176.00 F - N.A.
Decomposition Temperature:	NE
Autoignition Pt:	NE
Flash Pt:	70.00 F Method Used: Small Scale Open Cup
Explosive Limits:	LEL: 2% UEL: 12%
Specific Gravity (Water = 1):	0.878N.A.
Density:	NE
Bulk density:	NE
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	1.6N.A.
Evaporation Rate:	1.7 N.A.
Solubility in Water:	NE
Percent Volatile:	N.A.
VOC / Volume:	NE
HAP / Volume:	NE
Saturated Vapor	

Concentration: NE
Viscosity: NE
Heat Value: NE
Particle Size: NE
Corrosion Rate: NE
pH: NE

Appearance and Odor

Clear colorless liquid with a mild alcohol odor

SECTION 10. Stability and Reactivity
70% ISOPROPYL ALCOHOL

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Avoid heat, sparks, and flame.

Incompatibility - Materials To Avoid

Avoid contact with strong oxidizing agents. Do not store or handle in aluminum equipment at temperatures above 120 F.

Hazardous Decomposition Or Byproducts

Carbon monoxide, and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information
70% ISOPROPYL ALCOHOL

None known

Chronic Toxicological Effects

None known

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Isopropyl alcohol	67-63-0	n.a.	n.a.	A4	n.a.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

SECTION 12. Ecological Information
70% ISOPROPYL ALCOHOL

None known

SECTION 13. Disposal Considerations
70% ISOPROPYL ALCOHOL

Waste Disposal Method

Under EPA-RCRA (40 CFR 261), If this product becomes a waste material, it is not hazardous waste. Refer to latest EPA or state regulations regarding proper disposal.

SECTION 14. Transport Information
70% ISOPROPYL ALCOHOL

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Consumer Commodity ORM-D

Additional Transport Information

No data available.

SECTION 15. Regulatory Information
70% ISOPROPYL ALCOHOL

No data available.

SECTION 16. Other Information
70% ISOPROPYL ALCOHOL

This product contains the following toxic chemicals currently subject to the reporting requirements of SARA Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS Number 67-63-0 Name Isopropanol Weight <70%

Company Policy or Disclaimer

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

Haz Rating Hazard Ratings:			
Health:	1	Minimal: 0	Generated 02/02/2012 Revision 01/26/2012 Supercedes Revision 08/13/2011 Date Created 09/08/1994
Flammability:	3	Slight: 1	
Reactivity:	NA	Moderate: 2	
Special Hazard:	NA	Serious: 3	
		Extreme: 4	