

[MSDS List](#)

[Previous MSDS](#)

[Next MSDS](#)

MSDS

MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification 70% Isopropyl Alcohol

Product Code: HH-70% ISO ALCO, **Reference #:** 77305

Product Name: 70% Isopropyl Alcohol **Chemical Family:** Alcohol Mixture

Manufacturer Name and Address:

Farnam Companies, Inc.
301 West Osborn Road
Phoenix, AZ. 85013

24 hour emergency nu (602)285-1660
Business hours (602)285-1660
Marketing (602)285-1660

Telephone Numbers: Dates:

Date Created: 09/08/1994
Revision: 04/11/2006
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SECTION 2. Composition/Information on Ingredients 70% Isopropyl Alcohol

Hazardous Components (Chemical Name)	CAS #	Percentage
1. Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	67-63-0	70.0 %
OSHA PEL	ACGIH TLV	
1. 400 ppm	400 ppm	

SECTION 3. Hazards Identification 70% Isopropyl Alcohol

Emergency Overview

No data available.

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

Potential Health Effects (Acute and Chronic)

No data available.

Carcinogenicity: NTP? N.A. , IARC Monographs? N.A. , OSHA Regulated? N.A.

Carcinogenicity/Other Information

No data available.

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

INHALATION = Remove victim to fresh air and provide oxygen if breathing is difficult. Obtain medical attention.

SKIN CONTACT = Flush skin with plenty of water. If irritation occurs, seek medical attention.

INGESTION = 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.

EYE CONTACT = Immediately flush eyes with plenty of water for at least 15 minutes. Obtain medical attention.

Note to Physician

No data available.

SECTION 5. Fire Fighting Measures 70% Isopropyl Alcohol

Flash Pt: 70.00 F **Method Used:** open cup

Explosive Limits: LEL: 2% UEL: 12%

Autoignition Pt: N.A. **Extinguishing Media**

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

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.

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

Physical States:	<input type="checkbox"/> Gas , <input checked="" type="checkbox"/> Liquid , <input type="checkbox"/> Solid
Boiling Point:	176.00 F to N.A.
Melting Point:	N.A. to N.A.
Specific Gravity (Water = 1):	0.878N.A.

Density: No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): 1.6N.A.
Evaporation Rate (vs Butyl Acetate=1): 1.7N.A.
Solubility in Water: No data.
Other Solubility Notes: Complete
Percent Volatile: No data.
Saturated Vapor Concentration: No data.
Viscosity: No data.
pH: No data.

Appearance and Odor

Appearance = Clear Colorless Liquid

Odor = 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

No data available.

SECTION 12. Ecological Information 70% Isopropyl Alcohol

No data available.

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

DOT Proper Shipping Name

No data available.

DOT Hazard Label: Consumer Commodity ORM-D

UN/NA Number: No dat

Additional Transport Information

No data available.

SECTION 15. Regulatory Information

70% Isopropyl Alcohol

No data available.

SECTION 16. Other Information

70% Isopropyl Alcohol

Supercedes Revision 04/23/2001

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%

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.
