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# M A T E R I A L   S A F E T Y   D A T A   S H E E T

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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:** CHEMTREC (800)424-9300  
**Alternate Emergency Contact:** District of Columbia (202)483-0414  
**Information:** Farnam Companies, Inc. (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	ACGIH STEL
Isopropyl alcohol	67-63-0	70.0 %	400 ppm	200 ppm	400 ppm

## 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.

### Extinguishing Media

Use water spray, water fog, "alcohol" foam, dry chemical or CO<sub>2</sub>

### 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.

### 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.

### 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

<b>Physical States:</b>	<input type="checkbox"/> Gas	<input checked="" type="checkbox"/> Liquid	<input type="checkbox"/> Solid
<b>Melting Point:</b>	N.A. - N.A.		
<b>Boiling Point:</b>	176.00 F - N.A.		
<b>Autoignition Pt:</b>	NE		
<b>Flash Pt:</b>	70.00 F Method Used: Small Scale Open Cup		
<b>Explosive Limits:</b>	LEL: 2% UEL: 12%		
<b>Specific Gravity (Water = 1):</b>	0.878N.A.		
<b>Density:</b>	NE		
<b>Bulk density:</b>	NE		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	N.A.		

<b>Vapor Density (vs. Air = 1):</b>	1.6N.A.
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	1.7N.A.
<b>Solubility in Water:</b>	N.A.
<b>Percent Volatile:</b>	NE
<b>VOC / Volume:</b>	NE 0.0000
<b>HAP / Volume:</b>	NE 0.0000
<b>Saturated Vapor Concentration:</b>	NE
<b>Viscosity:</b>	NE
<b>Heat Value:</b>	NE
<b>Particle Size:</b>	NE
<b>Corrosion Rate:</b>	NE
<b>pH:</b>	NE

**Appearance and Odor**

Appearance = Clear Colorless Liquid

Odor = Mild alcohol odor

<p><b>SECTION 10. Stability and Reactivity</b>  <b>70% ISOPROPYL ALCOHOL</b></p>
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**Stability:** Unstable [  ] Stable [  ]

**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 [  ]

**Conditions To Avoid - Hazardous Polymerization**

No data available.

<p><b>SECTION 11. Toxicological Information</b>  <b>70% ISOPROPYL ALCOHOL</b></p>
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None known

**Chronic Toxicological Effects**

None known

**Carcinogenicity/Other Information**

No data available.

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

**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.

<b>Haz Rating Hazard Ratings:</b>	Minimal: 0
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Health:	<b>1</b>	Slight: 1	<b>Generated</b> 01/04/2010
Flammability:	<b>3</b>	Moderate: 2	<b>Revision</b> 01/22/2009
Reactivity:	<b>NA</b>	Serious: 3	<b>Supersedes Revision</b> 01/21/2009
Special Hazard:	<b>NA</b>	Extreme: 4	<b>Date Created</b> 09/08/1994

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