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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

SECTION 1. Product and Company Identification ISOPROPYL ALCOHOL 99%

Product Code: HH-ISOAL-99

Product Name: ISOPROPYL ALCOHOL 99%

**Manufacturer Name and
Address:**

**Telephone
Numbers:**

Dates:

Distributed by:

CHEMTREC

(800)424-9300

Date Created:
07/19/2005

Farnam Companies, Inc.

District of
Columbia

(202)483-0414

Revision: 06/25/2007

301 West Osborn Road

Farnam Companies,
In

(800)234-2269

Printed: 06/29/2007

Phoenix, AZ.

Responsible Person: Sherry Faith , **Phone #:**

Additional Identity Information

77310

SECTION 2. Composition/Information on Ingredients ISOPROPYL ALCOHOL 99%

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	67-63-0	99.0 -100.0 %
OSHA PEL	ACGIH TLV	ACGIH STEL
1. 400 ppm	200 ppm	400 ppm

SECTION 3. Hazards Identification ISOPROPYL ALCOHOL 99%

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

Giddiness, headache, dizziness, nausea and drowsiness.

Medical Conditions Generally Aggravated By Exposure

No data available.

Additional Hazards Information

LD 50/ LC 50: Acute dermal Rabbit 1300 mg/kg; Acute inhalation Rat (8 hours) 12000 ppm.

**SECTION 4. First Aid Measures
ISOPROPYL ALCOHOL 99%****Emergency and First Aid Procedures**

IF SWALLOWED: Do NOT induce vomiting. Drink two glasses of water and contact physician or Poison Control Center. Keep at rest. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

IF INHALED: Remove patient to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

IF IN EYES: Flush with water for 15 minutes while periodically holding eyelids open.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and shoes; do not reuse until cleaned. If persistent irritation occurs, get medical attention.

Note to Physician

No data available.

**SECTION 5. Fire Fighting Measures
ISOPROPYL ALCOHOL 99%**

Flash Pt: 55.00 F **Method Used:** TCC

Explosive Limits: LEL: 2.5% UEL: 12.1%

Extinguishing Media

Water, fog, dry chemical, CO2, Alcohol foam

Fire Fighting Instructions

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Water may be ineffective for fire fighting. Use water spray to keep fire-exposed containers cool and to protect personnel. If a leak or spill has not ignited, use water spray to disperse the vapors. Either allow fire to burn under controlled conditions or extinguish with alcohol-type foam and dry chemical. Try to cover liquid spills with foam.

Flammable Properties and Hazards

Flammable liquid. Vapors are heavier than air and may travel considerable distance to a source of ignition and flash back. Run-off from fire control may cause pollution.

Hazardous Combustion Products

No data available.

**SECTION 6. Accidental Release Measures
ISOPROPYL ALCOHOL 99%****Steps To Be Taken In Case Material Is Released Or Spilled**

WARNING!! Flammable. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking.

LARGE SPILLS Evacuate hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms,

water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solution as above.

****SMALL SPILLS**** Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

SECTION 7. Handling and Storage ISOPROPYL ALCOHOL 99%

Precautions To Be Taken in Handling

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Empty containers retain residue (liquid and/or vapor) and can be dangerous.

Precautions To Be Taken in Storing

Keep out of direct sunlight. Store in cool, dry area. Store in tightly sealed containers.

Other Precautions

KEEP OUT OF REACH OF CHILDREN. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Aluminum containers are not recommended for storage.

SECTION 8. Exposure Controls/Personal Protection ISOPROPYL ALCOHOL 99%

Respiratory Equipment (Specify Type)

Self-contained breathing apparatus

Eye Protection

Goggles

Protective Gloves

Rubber gloves

Other Protective Clothing

Protective clothing during fire fighting

Engineering Controls (Ventilation etc.)

Local ventilation sufficient if well ventilated.

Work/Hygienic/Maintenance Practices

Minimize skin contact. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION 9. Physical and Chemical Properties ISOPROPYL ALCOHOL 99%

Physical States:	[] Gas , [X] Liquid , [] Solid
Boiling Point:	179.90 F
Melting Point:	No data.
Specific Gravity (Water = 1):	.786 at 68.0 F
Density:	2.1

Vapor Pressure (vs. Air or mm Hg): 32.8 at 68.0 F
Vapor Density (vs. Air = 1): 2.1
Evaporation Rate (vs Butyl Acetate=1): 1.4
Solubility in Water: No data.
Percent Volatile: 99.0 % by volume.
Saturated Vapor Concentration: No data.
Viscosity: No data.
pH: neutral
Appearance and Odor
Colorless liquid, alcohol-type odor

SECTION 10. Stability and Reactivity

ISOPROPYL ALCOHOL 99%

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

Exposure to sparks or flame. Avoid storing or handling of this product at temperatures above 120 deg F.

Incompatibility - Materials To Avoid

Alkylene oxides, acid anhydrides, isocyanates, organometallic contaminates, concentrated nitric and sulfuric acids, alkanolamines, austics, amines, ammonia, reactive halogenated compounds, e.g. muriatic acid and acetyl chloride, organic acids, halogens, phosphorous trichloride, aldehydes, monomers, polymerizable esters.

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

ISOPROPYL ALCOHOL 99%

No data available.

SECTION 12. Ecological Information

ISOPROPYL ALCOHOL 99%

No data available.

SECTION 13. Disposal Considerations

ISOPROPYL ALCOHOL 99%

Waste Disposal Method

Place in a disposal facility approved under RCRA regulations for hazardous waste. Use non-leaking containers, seal tightly and label properly. Assure compliance with local, state and federal regulations.

SECTION 14. Transport Information ISOPROPYL ALCOHOL 99%

DOT Proper Shipping Name

No data available.

Additional Transport Information

No data available.

SECTION 15. Regulatory Information ISOPROPYL ALCOHOL 99%

No data available.

SECTION 16. Other Information ISOPROPYL ALCOHOL 99%

Supersedes Revision 07/19/2005

HMIS Hazard Ratings:		
Health:	= 2	Minimal: 0
Flammability:	3	Slight: 1
Reactivity:	0	Moderate: 2
Protection:	H	Serious: 3
		Extreme: 4

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.
