

MATERIAL SAFETY DATA SHEET

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I. PRODUCT INFORMATION

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PRODUCT NAME: Marianna™ Isopropyl Alcohol

CHEMICAL NAME: Isopropyl Alcohol

CAS NUMBER: N/A

CHEMICAL FAMILY: N/A

CHEMICAL FORMULA: N/A

II. SUMMARY OF HAZARDS

**WARNING!** Severe fire hazard. Flammable liquid and vapor. Avoid heat, flames, sparks and other sources of ignition. Remove sources of ignition. Do not leave in contact with skin for long periods, do not ingest and do not splash in eyes.

III. HAZARDOUS COMPONENTS

<u>NAME</u>	<u>CAS NO.</u>	<u>%</u>	<u>EXPOSURE LIMITS</u>		
			<u>PEL</u>	<u>TLV</u>	<u>OTHER</u>
Isopropyl Alcohol	67-63-0	70%	400 ppm (TWA)	500 ppm	500 ppm (STEL)

IV. CHEMICAL AND PHYSICAL PROPERTIES

BOILING POINT: 82° C

FLASH POINT: 13° C

MELTING POINT: N/A

VAPOR DENSITY: N/A

SOL. IN WATER: Complete

SPECIFIC GRAVITY: 0.784 – 0.788 @ 22° C

pH: 5.00 - 5.50 @ 22° C

EVAPORATION RATE: NA

APPEARANCE/ODOR: Clear colorless liquid with a mild odor

<u>CHEMICAL NAME</u>	<u>TOXICITY DATA</u>	
	<u>LD50</u>	<u>LC50</u>
Isopropyl Alcohol	12800mg/kg skin-rabbit 5045mg/kg oral-rat	16000ppm/8 hours inhalation-rat

**EYE CONTACT:** Immediately wash the affected eye or eyes under slow running water for 15 to 20 minutes making sure that the eyelids are held apart. Get immediate medical attention.

**SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a physician immediately.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** If swallowed, get immediate medical attention. Give large quantities of milk or water. Never give anything by mouth to an unconscious person. May cause burns, pain bleeding, central nervous system depression. Early symptoms included headaches, drunken behavior, nausea, diarrhea, vomiting, tiredness and drowsiness.

**CHRONIC EFFECTS OF EXPOSURE:** May cause damage, disorders or adversely affect the following systems, organs: kidneys, liver, nervous system, skin or lungs.

## VI. EXPOSURE CONTROL MEASURES

**EYE PROTECTION:** Chemical goggles or face-shield, always wear eye protection when working with chemicals.

**PROTECTIVE GLOVES:** Imperious gloves clean body covering.

**RESPIRATORY PROTECTION:** None required normally. If exposure limits are exceeded or if exposure may occur use a NIOSH/MSHA respirator approved for your conditions of exposure.

**OTHER PROTECTION:** Safety shower, eye wash stations.

**VENTILATION:** Adequate ventilation is required to minimize exposure or maintain exposure levels below OSHA/ACGIH requirements

**PERSONAL HYGIENE/WORK PRACTICES:** Always wash hands with warm soapy water after every use.

## VII. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT (METHOD USED):** TCC

**FLAMMABLE LIMITS**                      LOWER:                      UPPER:

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, dry chemical, alcohol foam

**FIRE FIGHTING INSTRUCTIONS:** Prevent human exposure to fire, fumes, smoke and product combustion.

**UNUSUAL FIRE ANDEXPLOSION HAZARDS:** None

STABILITY: Stable at room temperatures

INCOMPATIBILITY: Oxidizers

HAZARDOUS PRODUCTS OF COMPOSITION: N/A

HAZARDOUS POLYMERIZATION: None known

#### IX. ENVIRONMENTAL & DISPOSAL INFORMATION

ACTION TO TAKE FOR SPILLS/LEAKS: Evacuate non-essential personnel, shut off source of the leak. Recover free product. Clean residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface water, or sewers. It may be necessary to remove contaminated soil. Notify state and local authorities.

DISPOSAL METHOD: Solids must be disposed of in a permitted hazardous waste management facility. Recovered liquids may be reprocessed or incinerated. Incineration must be handled in a permitted hazardous waste management facility. Dispose of material in accordance with all Federal, State and Local regulations.

#### X. PRECAUTIONS FOR SAFE HANDLING, STORAGE AND USE

Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do not breathe vapor or mist. Do not get in eyes, on skin, or clothing. Do not swallow.

#### XI. SHIPPING INFORMATION

U.S. DOT 49 CFR 172.101:

Proper Shipping Name: alcohols N.O.S Isopropyl Alcohol

ID Number: UN1219

Hazard Class: 3

Packing Class: II

Labeling Requirements: Flammable 3 Liquid label

#### XII. ADDITIONAL INFORMATION

THIS MATERIAL IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT

For additional product safety or product use information, contact the product manager at the address or phone number listed on page one.

#### **DISCLAIMER**

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