

MATERIAL SAFETY DATA SHEET

Marianna Industries, Inc.

11222 "I" Street

Omaha, Nebraska 68137-1296

Non-Emergency (402) 593-0211

EMERGENCY: Infotrac (800) 457-4280

Revised: 10/01

I. PRODUCT INFORMATION

Page 1

PRODUCT NAME: Marianna Isopropyl Alcohol

CHEMICAL NAME: N/A

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

NAME	CAS NO.	%	EXPOSURE LIMITS		
			PEL	TLV	OTHER
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

V. HEALTH HAZARD DATA & FIRST AID PROCEDURES

TOXICITY DATA		
CHEMICAL NAME	LD50	LC50
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

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

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

UNUSUAL FIRE AND EXPLOSION 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: Isopropyl Alcohol

ID Number: UN1219

Hazard Class: 3

Packing Class: II

Labeling Requirements: Flammable Liquid

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

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond this company's control it is the users responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various government agencies (e.g. DOT, EPA and FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.