

**MATERIAL SAFETY DATA SHEET**

**MASTERLITH INDUSTRIES**

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50 Industrial Loop North Orange Park, FL. 32073

EMERGENCY PHONE NUMBER • (904) 264-3500 • This number is available days, nights, weekends, and holidays.

This MSDS complies with 29 CFR 1910.1200 Hazard Communication Standard.

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**PRODUCT IDENTIFICATION**

Product Name: **99% ISOPROPYL ALCOHOL** Date prepared: 1/8/88  
Product Number: 8570 Chemical Name: NA  
CAS#: 67-63-0 UN Number: 1219  
DOT Proper Shipping Name: Isopropanol  
V.O.C.: 100% - Calif. Rule 1130  
Non-photochemically reactive - Calif. Rule 102

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**HMIS HAZARD RATING**

Least:0; Slight:1; Moderate: 2; High: 3; Extreme: 4

Health: 1            Reactivity: 0  
Fire: 3             Personal Protection: B

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**WARNING STATEMENT**

**FLAMMABLE MIXTURE**

In case of fire use water spray, foam, dry chemical, or carbon dioxide. Keep out of sun and away from heat. Drum should be grounded. In case of eye contact flush with copious amounts of water and seek medical attention. Avoid prolonged or repeated breathing of vapor. Use with adequate ventilation. Wash affected skin areas with soap and water. Harmful if swallowed. If swallowed, do NOT induce vomiting; seek medical attention immediately.

- FOR INDUSTRIAL USE ONLY -

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Federal law requires persons receiving the Material Safety Data sheet to study it carefully, become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents, and contractors of the information on this sheet, (2) furnish copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

TLV - Threshold Limit Value; PEL - Permissible Exposure Limit;  
NE - Not Established; NA - Not Applicable; VOC- Volatile Organic Compound



HAZARDOUS INGREDIENTS

	<u>EXPOSURE LIMITS, PPM</u>		
	OSHA	ACGIH	OTHER
	PEL	TLV	TLV
1. Isopropyl Alcohol CAS #67-63-0 syn: isopropanol, IPA	400	400	-

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EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: If this product comes in contact with eyes, gently flush with large quantities of water for at least 15 minutes and seek immediate attention.

SKIN CONTACT: If this product comes in contact with the skin, remove contaminated clothing, wash affected skin areas with quantities of water, and seek medical attention if irritation from contact persists.

INHALATION: If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, victim should seek air free of vapors. If victim experiences continued breathing difficulties, oxygen, where available, should be administered by qualified personnel until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate attention.

INGESTION: If swallowed, do NOT induce vomiting; seek medical attention immediately.

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PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

EYE: This product may be an eye irritant.

SKIN EFFECTS: Prolonged or repeated skin contact may result in dermatitis.

SYSTEMIC EFFECTS: Various studies have shown a possible association with exposure to this product and the following: May cause eye, skin and respiratory tract irritation. Chronic overexposure to IPA has caused liver abnormalities, kidney and brain damage in laboratory animals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

PRIMARY ROUTES OF ENTRY: Inhalation.

CARCINOGENICITY: This material is not considered to be a carcinogen by NTP, IARC, or OSHA.



### SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** The use of respiratory protection depends on vapor concentration above the time-weighted TLV. Use a respirator/gas mask with appropriate cartridges or canister (NIOSH approved, if available), or supplied air equipment, depending on airborne concentration.

**VENTILATION:** General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions, such as respiratory protection, may be required if vapor concentrations cannot be reduced to below the TLV by ventilation.

**PROTECTIVE GLOVES:** The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation.

**EYE PROTECTION:** Safety glasses are recommended to safeguard against potential eye contact, irritation, or injury.

**OTHER PROTECTIVE EQUIPMENT:** The availability of eye washes and safety showers in work areas is recommended.

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### REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Extreme heat, sparks, and open flames.

**MATERIALS TO AVOID:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.                      **CONDITIONS TO AVOID:** NA

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### SPILL OR LEAK PROCEDURES

**PRECAUTIONS IN CASE OF RELEASE OR SPILL:** Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for cleanup. Cover with inert material to reduce fumes. Keep out of drains, sewers, or waterways. Contact fire authorities. Notify local health and pollution control agencies. Call spill response teams if large spill.

**WASTE DISPOSAL METHOD:** Dispose of product in accordance with applicable local, county, state, and federal regulations.



STORAGE AND SPECIAL PRECAUTIONS

HANDLING & STORAGE PRECAUTIONS: Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. Keep product containers closed when not in use.

OTHER PRECAUTIONS: Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

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FIRE AND EXPLOSION HAZARD DATA

DOT HAZARD CLASS: Flammable Liquid.

FLASH POINT (TCC): 53° F.

EXTINGUISHING MEDIA: Use foam, CO<sub>2</sub>, or dry chemical fire fighting apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Keep work areas free of hot metal surfaces and other sources of ignition.

FIRE FIGHTING PROCEDURES: The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

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PHYSICAL DATA

EVAPORATION RATE: Slower than n-butyl acetate.

APPROXIMATE BOILING RANGE (°F): 180°

VAPOR DENSITY: Heavier than air.

PERCENT VOLATILE: 100%

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: Lighter than water.

WEIGHT(lbs.)PER GALLON: 6.53

APPEARANCE AND ODOR: Clear, colorless liquid; alcohol odor.

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DOCUMENTARY INFORMATION

Product Code No.: 8570

Issue Date: 1/8/88

Prepared by: LMA

Replaces:

Product Code No.:

Issued:

Reviewed By: CW

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The options expressed herein are those of qualified experts within ANCHOR/LITHKEMKO and its suppliers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of ANCHOR/LITHKEMKO, it is the user's obligation to determine the conditions of safe use of the product.

