

SAFETY DATA SHEET

5008-55

WORKING COPY

OSHA Hazard Communication Standard 29 CFR 1910.1200. Prepared to GHS Rev03.

Date Prepared : 07/17/2015

SDS No : Isopropyl Alcohol 99%

Isopropyl Alcohol 99%**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Isopropyl Alcohol 99%**PRODUCT DESCRIPTION:** Isopropanol; Rubbing alcohol; Isopropyl Alcohol; 2-Propanol.**GENERIC NAME:** Isopropyl Alcohol 99%**ALTERNATE TRADE NAME(S):** IPA 99%**MANUFACTURER**

LA Chemicals, Ltd.

2415 Gardner Rd.

Broadview, IL 60155

Emergency Contact: Mike Ryniec**Emergency Phone:** 708-878-6753**Customer Service:** 708-345-6880**Transportation:** 708-345-6880**E-Mail:** FVELA@LACHEMONLINE.COM**24 HR. EMERGENCY TELEPHONE NUMBERS****AAPCC Poison Help :** (800) 424-9300**CANUTEC (Canadian Transportation) :** (613) 996-6666**CHEMTREC (US Transportation) :** (800) 424-9300**2. HAZARDS IDENTIFICATION****GHS CLASSIFICATIONS****Health:**

Eye Irritation

Narcotic Effects

Target Organ Toxicity (Single exposure), Category 3

Environmental:

Flammable Liquids, Category 1A

GHS LABEL

Flammable liquid and vapour



Flame

Exclamation
mark**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS**Prevention:**

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P241: Use explosion-proof [electrical/ventilating/lighting/...] equipment.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 P240: Ground and bond container and receiving equipment.
 P102: Keep out of reach of children.
 P243: Take action to prevent static discharges.
 P242: Use non-sparking tools.
 P271: Use only outdoors or in a well-ventilated area.
 P264: Wash ... thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P312: Call a POISON CENTER/doctor/...if you feel unwell.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P370+P378: In case of fire: Use ... to extinguish.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

Disposal:

P501: Dispose of contents and container in accordance with local regulations.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Can cause irritation if absorbed through the skin.

INGESTION: Can be harmful if ingested.

INHALATION: Can be harmful if inhaled. Can cause respiratory tract irritation. Vapors can cause drowsiness and dizziness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
2-propanol	> 99	67-63-0

COMMENTS: Formulation is based on weight %

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

NOTES TO PHYSICIAN: No data available. Contact Env. Dept.

ADDITIONAL INFORMATION: Take proper precautions to ensure your own health and safety before attempting rescue and

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providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

EXPLOSION HAZARDS: No data available. Contact Env. Dept.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb the liquid and scrub the area with detergent and water.

LARGE SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

GENERAL PROCEDURES: Wear a self-contained breathing apparatus and appropriate personal protective equipment. (See Exposure Controls/Personal Protection Section).

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use only in a well ventilated area.

HANDLING: Keep away from heat and flame.

STORAGE: Store in accordance with local regulations. Store in a segregated and approved area in original container protected from sunlight in a dry, cool and well-ventilated and approved area away from incompatible materials. Keep container closed to prevent drying out. Move container away from oxidizing materials. Use appropriate containment to avoid environmental contamination.

STORAGE TEMPERATURE: Store in a cool place below (120) F (49) C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
2-propanol	TWA	400	980	200	490	NL	NL
	STEL			400	960	NL	NL

ENGINEERING CONTROLS: Not Available

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

SKIN: Glove permeation data does not exist for this material. Viton or heavy nitrile rubber gloves should be used for splash protection only.

RESPIRATORY: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PROTECTIVE CLOTHING: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

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ODOR: Slight ethanol/acetone**ODOR THRESHOLD:** 200 ppm**APPEARANCE:** Clear/water-white**COLOR:** Water-white**PHYSICAL STATE COMMENTS:** Flammable Liquids**pH:** Neutral**PERCENT VOLATILE:** 99**FLASH POINT AND METHOD:** ~ 12°C (53°F) Tag Closed-Cup (ASTM D56)**FLAMMABLE LIMITS:** 2.5 to 12.0**AUTOIGNITION TEMPERATURE:** ~ 455°C (852°F)**VAPOR PRESSURE:** ~ 3.3 mm Hg at 25°C (77°F)**VAPOR DENSITY:** > 2.1**BOILING POINT:** ~ 82°C (180°F)**MELTING POINT:** -89°C (-128°F)**THERMAL DECOMPOSITION:** Not Determined**SOLUBILITY IN WATER:** Complete**EVAPORATION RATE:** Not Determined**DENSITY:** ~ 6.49 at 20°C (68°F)**SPECIFIC GRAVITY:** ~ 0.78 at 20°C (68°F)**MOLECULAR WEIGHT:** 60.11**(VOC):** 780.000 g/l

10. STABILITY AND REACTIVITY

REACTIVITY: Normally reactive if handled properly**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.**STABILITY:** Stable under ordinary conditions of use and storage.**CONDITIONS TO AVOID:** NA = Not Applicable**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established**INCOMPATIBLE MATERIALS:** Not Established

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: ~ 12800 mg/kg**Notes:** Rabbit**ORAL LD₅₀:** ~ 5045 mg/kg**Notes:** Rat**INHALATION LC₅₀:** ~ 16000 ppm/8 hrs**Notes:** Rat

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Isopropyl Alcohol 99%**12. ECOLOGICAL INFORMATION****BIOACCUMULATION/ACCUMULATION:** This product has a low potential to bioaccumulate.**AQUATIC TOXICITY (ACUTE):** This product is not expected to be harmful to aquatic organisms according to GHS criteria.**96-HOUR LC₅₀:** ~ 100000 mg/l- Fathead Minnow**96-HOUR EC₅₀:** ~ 64000 mg/l- Fathead Minnow**Notes:** This product is readily biodegradable.**GENERAL COMMENTS:** Water hazard class 1 (Assessment by list): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Dispose in accordance with all local, state, and federal regulations.**FOR LARGE SPILLS:** Do not allow product to reach sewage system.**PRODUCT DISPOSAL:** Disposal must be made according to official regulations.**RCRA HAZARD CLASS:** Water hazard class 1**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** UN1219, Isopropyl Alcohol**PRIMARY HAZARD CLASS/DIVISION:** 3**UN/NA NUMBER:** UN1219**PACKING GROUP:** II**LABEL:** Flammable Liquid**15. REGULATORY INFORMATION****UNITED STATES****DOT LABEL SYMBOL AND HAZARD CLASSIFICATION**Flammable
Liquid

R10: Flammable.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**311/312 HAZARD CATEGORIES:** NA = Not Applicable**PRESSURE GENERATING:** Yes **ACUTE:** Yes **CHRONIC:** No**EPCRA SECTION 313 SUPPLIER NOTIFICATION**

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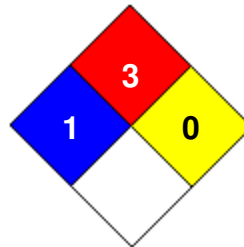
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Isopropyl Alcohol 99%**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** This product is not listed on the CERCLA Inventory.**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

Chemical Name	CAS
2-propanol	67-63-0

TSCA REGULATORY: This product is listed on the TSCA Inventory.**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** None of the chemicals in this product are considered highly hazardous by OSHA.**CANADA****DOMESTIC SUBSTANCE LIST (INVENTORY):** This product is listed on Canada's DSL list.**16. OTHER INFORMATION****PREPARED BY:** Bruce Washington**Date Prepared:** 07/17/2015**HMIS RATING**

HEALTH	<input type="text"/>	2
FLAMMABILITY	<input type="text"/>	3
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	H

NFPA CODES

MANUFACTURER DISCLAIMER: While reasonable care has been taken to ensure the accuracy and completeness of the information regarding the material described herein, it is the purchaser's responsibility to ensure the suitability of such information as it applies to the purchaser's intended use of the material. LA Chemicals, LTD assumes no responsibility resulting from the use of this SDS.