



Material Safety Data Sheet

Isopropyl Alcohol 70%

Issue date April 4th, 2014

Section 1: Product and Company Identification

General Names: Isopropyl Alcohol 70%

Product Use: For antiseptic topical use only

Manufacturer: Lernapharm (Loris) Inc.

2323 Halpern, St-Laurent, Québec, Canada H4S 1S3

Telephone: 514-331-4634

For chemical emergency, spill, leak, fire, exposure or accident call CANUTEC (Canada) 1-613-996-6666 (collect calls accepted)

Section 2: Hazards Identification

Clear, colorless liquid (may be tinted), alcohol odor. **HMIS (0 to 4)**

WARNING! Flammable liquid and slightly toxic by ingestion.

Flammable liquid, keep away from all ignition sources.

Target organs: Central nervous system, liver, kidneys.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: Composition / Information on Ingredients

Isopropyl Alcohol (67-63-0), 70% v/v. Water (7732-18-5), 30% v/v.

Section 4: First Aid Measures

Always seek professional medical attention after first aid measures are provided.

Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.

Ingestion: Call Poison Control immediately.

Aspiration hazard. Rinse mouth with cold water. Give victim 1-2 tbsp of activated charcoal mixed with 8 oz water.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Section 5: Fire Fighting Measures

Class IB Flammable Liquid. When heated to decomposition, emits acrid fumes **3**

Protective equipment and precautions for firefighters: Use foam or dry chemical to extinguish fire. **1 0**

Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA). Cool container with water spray. Material is not sensitive to mechanical impact. Material is sensitive to static discharge.



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Section 6: Accidental Release Measures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Contain spill with sand or absorbent material and place material in a sealed bag or container for disposal. Wash spill area after pickup is complete. See Section 13 for disposal information.

Section 7: Handling and Storage

Handling: Use with adequate ventilation and do not breathe vapor. Avoid contact with eyes, or clothing.

Storage: Store with other flammable materials and away from any strong oxidizers. Store in a cool, dry, well-ventilated area, away from sources of ignition and incompatible materials.

Section 8: Exposure Controls / Personal Protection

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility and fire extinguishers readily available. Wear chemical splash goggles. Use NIOSH-approved respirator with an acid/organic cartridge. Exposure guidelines: Isopropyl Alcohol: OSHA PEL: 980 mg/m³, ACGIH TLV: 492 mg/m³, STEL: 984 mg/m³.

Section 9: Physical and Chemical Properties

Molecular formula CH₃CHOHCH₃. **Appearance** Clear, colorless liquid.

Molecular weight 60.10. **Odor** Alcohol odor.

Specific Gravity 0.877 g/mL @ 20°C. **Odor Threshold** N/A

Vapor Density (air=1) 2.1. **Solubility** Completely soluble in water.

Melting Point -88°C. **Evaporation rate** > 1 (Butyl acetate = 1).

Boiling Point/Range 83°C. **Partition Coefficient** N/A. (log POW).

Vapor Pressure (20°C) 33 mm Hg. **pH** N/A.

Flash Point: 12°C (53°F) CC. **LEL** 2%.

Autoignition Temp.: 399°C (750°F). **UEL** 12.7 %.

N/A = Not available or applicable

Section 10: Stability and Reactivity

Stability: Stable under normal conditions of use. Avoid heat and ignition sources.

Incompatibility: Oxidizing materials, caustics, aluminum, metal, oleum, chlorinated compounds.

Storage: Store in a cool, dry environment, away from heat and ignition sources..



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Section 11: Toxicology Information

Acute Symptoms/Signs of exposure: Eyes: Stinging pain, watering of eyes, inflammation of eyelids and conjunctivitis. **Ingestion:** Breath has sweet, organic odor, mental confusion, drowsiness, nausea, vomiting and headache. **Inhalation:** Rapid irregular breathing, headache, fatigue, mental confusion, nausea and vomiting, giddiness and poor judgment, convulsions and death.

Chronic Effects: Repeated/prolonged skin contact may cause dryness or rashes.

Sensitization: none expected

Isopropyl Alcohol: LD50 [oral, rat]; 5045 mg/kg; LC50 [rat]; 16,000 mg/l (4hours); LD50 Dermal [rabbit]; 500mg/24H Mild

Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.

Section 12: Ecological Information

Ecotoxicity (aquatic and terrestrial): Toxic to aquatic and terrestrial plants and animals. Do not release into environment.

Section 13: Disposal Considerations

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Small amounts of this material may be suitable for sanitary sewer or trash disposal.

Section 14: Transport Information

DOT Shipping Name: Isopropanol

Canada TDG: Isopropanol.

DOT Hazard Class: 3, pg II.

Hazard Class: 3, pg II.

Identification Number: UN1219.

Section 15: Regulatory Information

EINECS: Listed (200-661-7).

WHMIS Canada: B2, D2B: Flammable liquid, Toxic material: eye irritant.

TSCA: All components are listed or are exempt.

California Proposition 65: Not listed.



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The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

Disclaimer: Lernapharm believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because Lernapharm has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law.

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