



# Material Safety Data Sheet

## Loris alcohol swabs

Issue date May 12/2014

### 1. Product and Company Identification

<b>Product Name</b>	Loris Alcohol Swabs
<b>CAS #</b>	Mixture
<b>Product use</b>	Antiseptic
<b>Manufacturer</b>	Lernapharm (Loris) Inc 2323 Halpern, St-Laurent (Montreal) Québec, Canada H4S 1S3 Telephone: 514-331-4634

### 2. Hazards Identification

<b>Emergency overview</b>	CAUTION CAUSES EYE IRRITATION. May cause chronic toxic effects
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
<b>Eyes</b>	Causes irritation.
<b>Skin</b>	In case of skin irritation, discontinue use of the product. Topical application of povidone-iodine elevates serum concentrations of iodine.
<b>Inhalation</b>	Not a normal route of exposure. May cause respiratory tract irritation.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Target organs</b>	Eyes. Skin.
<b>Chronic effects</b>	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
<b>Signs and symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition / Information on Ingredients

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Percent</b>
ISOPROPYL ALCOHOL	67-63-0	50 - 70
WATER	7732-18-5	30 - 50

#### Ingredient Statements :

Some of the formats of this product as part of their composition would include either a wipe or a swabstick as part of their delivery systems.



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**NOTE:**

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

### 4. First Aid Measures

**First aid procedures**

**Eye contact**

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin contact**

Remove contaminated clothing and shoes. Wash affected area with soap and water. If signs/symptoms develop, get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation**

If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, get medical attention.

**Ingestion**

Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

**Notes to physician**

Symptoms may be delayed.

**General advice**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. Avoid contact with eyes.

### 5. Fire Fighting Measures

**Flash point**

13° C

**Lower Explosive Limit (%)**

2 % by volume

**Upper Explosive Limit (%)**

12 % by volume

**Autoignition temperature**

Not Available

**Suitable Extinguishing Media**

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

**Exposure Hazards during Fire**

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

**Combustion Products from Fire**

Carbon monoxide - During Combustion; Carbon dioxide - During Combustion; Unusual Fire and Explosion Hazards; Flammable liquid and vapour.

**Fire Fighting Procedures**

Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

### 6. Accidental Release Measures

Observe precautions from other sections. Call Lernapharm for more information on handling and managing the spill.



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Environmental Procedures: No data available.

### Personal precautions

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry.

### Methods for containment

Prevent entry into waterways, sewers, basements or confined areas.

### Methods for cleaning up

Collect as much of the spilled material as possible. Clean up residue with water. Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

## 7. Handling and Storage

### Handling Storage

Use good industrial hygiene practices in handling this material. Store away from heat; Sparks and/or Flames; Store out of direct sunlight. Store away from acids; Store away from oxidizing agents. Avoid alkali metals (eg. sodium).

### Ventilation Explosion Prevention

No data available.

Keep away from heat, sparks, open flame, pilot lights and other sources of ignition.

### Static Prevention Use Instructions

Avoid static discharge.

Keep container tightly closed. For industrial or professional use only. Avoid contact with oxidizing agents.

## 8. Exposure Controls / Personal Protection

### Exposure limits

### Ingredient(s)

Isopropyl Alcohol

### Exposure Limits

#### ACGIH - STEL

400 ppm (Table A4)

#### ACGIH - TWA

200 ppm (Table A4)

WATER

No data available



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### Ingredient Exposure Data

SOPROPYL ALCOHOL (67-63-0)

LD50 (rat, oral)	045 mg/kg
LD50 (dermal, rabbit)	12800 mg/kg
LC50 (rat, inhalation/4 hours)	17000 ppm

WATER (7732-18-5)

LD50 (rat, oral)	> 90 ml/kg
LC50 (rat, inhalation/4 hours)	No data available.

### Engineering controls

Use in a well-ventilated area.

### Personal protective equipment

#### Eye / face protection

Avoid eye contact with vapors, mists, or spray.

#### Hand protection

Not applicable.

#### Skin and body protection

Avoid prolonged or repetitive exposition.

#### Respiratory protection

Avoid breathing of vapours, mists or spray.

#### Ingestion (Prevention)

Avoid ingestion.

## 9. Physical & Chemical Properties

Appearance	Liquid saturated on wipe
Color	Clear
Odor	Alcohol odor
Odor threshold	Not available
Physical state	Liquid
pH	5 - 8 at 25 C
Melting point	Not available
Boiling point	80-100 °C
Evaporation rate	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.872 - 0.887 Water=1
Viscosity	Not available
Percent volatile	Not available
Volatile organic compounds	Not Available
Water Solubility	100 %

## 10. Chemical Stability & Reactivity Information

### Chemical stability

Stable under recommended storage conditions.

### Conditions to avoid

Store away from heat; Sparks and/or Flames; Store out of direct sunlight.

### Incompatible materials

Strong acids; Strong oxidizing agents; Avoid alkali metals  
(eg. sodium)



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<b>Hazardous decomposition products</b>	Carbon monoxide - During Combustion; Carbon dioxide - During Combustion;
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

### 11. Toxicological Information

#### Effects of acute exposure

<b>Eye</b>	Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
<b>Skin</b>	Prolonged or repeated exposure may cause: Dermal Effects: Signs/symptoms may include localized redness, itching, drying and cracking of skin. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
<b>Inhalation</b>	Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May be absorbed following inhalation and cause target organ effects.
<b>Ingestion</b>	Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea. May be absorbed following ingestion and cause target organ effects.
<b>Sensitization</b>	Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.
<b>Carcinogenicity</b>	No data available.
<b>Mutagenicity</b>	No data available.
<b>Reproductive Effects</b>	No data available.
<b>Component Based Information</b>	No data available.
<b>Product Based Information</b>	No data available.
<b>Other Effects &amp; Information</b>	Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

### 12. Ecological Information

<b>Ecotoxicity Data</b>	Not available
<b>Ecofate Data</b>	Not available

### 13. Disposal Considerations

<b>Product as Sold</b>	Incinerate in a permitted hazardous waste incinerator. Combustion products will include HCl. Facility must be capable of handling halogenated materials. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.
<b>Product Packaging</b>	No data available.



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### Special Instructions

Since regulations vary, consult applicable regulations or authorities before disposal.

## 14. Transport Information

### TDG Classification

Non-Regulated Material

### Special Information

Contact Lernapharm for more information.

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging.

Lernapharm's transportation classifications are based on product formulation, packaging, Lernapharm policies and Lernapharm's understanding of applicable current regulations. Lernapharm does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original Lernapharm package is certified for Canadian ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

International Dangerous Goods Classification

## 15. Regulatory Information

### WHMIS Classification

Exempt (Registered under Food and Drug Act).

### NOTE

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

### Product Certifications

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

**AICS** - Australian Inventory of Chemical Substances

**DSL** - Domestic Substances List (Canada)

**CICS** - Chinese Inventory of Chemical Substances

**EINECS** - European Inventory of Existing Commercial Chemical Substances

**KECI** - Korean Existing Chemicals Inventory

**TSCA** - Toxic Substances Control Act (USA)

## 16. Other Information

### Disclaimer

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. Lernapharm MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the Lernapharm product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that



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can affect the use and application of a Lernapharm product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the Lernapharm product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

**Recommended use** For external use only.