



LERNAPHARM

MATERIAL SAFETY DATA SHEET

Section I General Information

Product Name: Lories Alcohol Swabs*
Product Use: Medical Skin Cleansing
WHMIS Classification: Class B, Div. 2 Flammable Liquid
 (For 99% alcohol only) Class D, Div. 2 Sub 'B' Toxic

Manufacturer: Address:
 Lernapharm Inc.,
 2323 Rue Halpém,
 St. Laurent, Quebec,
 Canada H4S 1S3
 (514) 331-4634
 (514) 331-5488
Telephone:
Fax:
Date effective: March 7, 2008

Section II Hazardous Ingredients

Ingredients	CAS Number	Wt. %	ACGIH-TLV (ppm TWA)	LC50 (8hrs., rat)	LD50 (oral, rat)	LD50 (Dermal Rabbit)
Isopropyl Alcohol (99%)	67-63-0	33.3	400	12,000 ppm	4,720 mg/kg	12.9 g/kg

Section III Physical Data

Physical State: Individually sealed, alcohol - impregnated swabs

Odour:

- a) No odour when swab is sealed
- b) Alcohol odour when pouch is opened

Vapour Pressure: 4.4 KPa @ 20°C (for 99% alcohol only)
Boiling Point (°C): Not applicable for swabs
Solubility In Water: Not applicable for swabs
Specific Gravity: Not applicable for swabs
Volatility/Vol (%) 100 (for 99% alcohol only)
Evaporation Rate (n-BuAC=1) 1.44 (for 99% alcohol only)

Section IV Fire and Explosion Data

Flammability: Flammable liquid on combustible tissue

Flash Point (°C, TCC) >70°C for 70% IPA, (14 °C for 99% alcohol only) TCC

Auto ignition Temperature: 399°C (for 99% alcohol only)

Flammable Limits (Vol. %) LEL 2 (for 99% alcohol only)

UEL 12 (for 99% alcohol only)

Hazardous Combustion

Products:

Extinguishing Media:

Fumes, smoke, oxides of carbon
 Dry chemical, carbon dioxide
 alcohol foam, water as extinguishing agents.
 Keep away from sources of extreme heat
 and from sources of ignition. Respirators required for the fire fighting personnel.

Special Fire Hazard:



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Section V	Reactivity Data
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Chemical Stability: Materials to avoid:	Stable Strong oxidizing agents
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Section VI	Health Hazard Data
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(For 99% alcohol only) Inhalation:	Low to moderate toxicity. Vapors in high concentrations are irritating and anesthetic.
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Eye contact:	May cause irritation and lead to tissue damage if exposure persists.
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Skin contact:	Very low order of toxicity by skin absorption. Frequent or prolonged use may cause skin irritation and dermatitis.
Ingestion:	Low order of toxicity.

Section VII	Precautions for safe use and handling
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General:	Store product in cool place. The individual swabs are for external application only.
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Leak and Spill Procedure:	Due to product packaging (sealed swabs) the chance of a spill is negligible.
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Waste Disposal:	Dispose of used swabs as normal household trash.
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Section VIII	Emergency First Aid Procedures
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(For 99% alcohol only) Contact with eyes:	If eye contact occurs, immediately flush with water for several times, until irritation subsides. If irritation persists, obtain medical attention.
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Contact with skin:	Wash with soap and water.
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Inhalation:	Remove from contaminated area. Apply artificial respiration if breathing has stopped. Obtain medical attention.
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Ingestion:	Do not induce vomiting. Keep at rest and call a physician.
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Ingestion of swab:	Not a normal route of exposure. However, if ingested, remove swab and rinse mouth several times with water.
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Section IX

International Transport Information

Product Class:

Class 4.1 with EXEMPTION A-46

UN NUMBER:

**UN 3175 SOLIDS CONTAINING FLAMMABLE LIQUIDS, N.O.S. — WITH
EXEMPTION A-46.**

PACKAGING INFORMATION: PGII

A-46 Mixtures of solids which are not subject to these Regulations and Flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is packaged and the packaging is leak proof. Small inner packings consisting of sealed packets containing less than 10 mL of packing Group II or II flammable liquid absorbed into a solid material are not subject to these Regulations providing there is no free liquid in the packet.

Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements. The buyer assumes all risk of use, storage and handling to comply with local, provincial/state and federal regulations. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form.