

**MATERIAL SAFETY DATA SHEET**

#1103 #1104

NORPAK ALCOHOL SWABS/PREP PADS

**Section I -- General Information**

Product Name: Alcohol Swabs/Prep Pads  
Product Use: Medical Skin Cleansing  
WHMIS Classification: Class B, Div. 2 Flammable Liquid  
(For 99% alcohol only) Class D, Div. 2 Sub "B" Toxic  
  
Date effective: Jan 5, 1999  
Revised by: K.S. Alim

**Section II -- Hazardous Ingredients**

INGREDIENTS	CAS NUMBER	WT. %	ACGIH-TLV (ppm TWA)	LC/50 (8 hrs. rat)	LD/50 (oral, rat)	I
Isopropyl Alcohol (99%)	67-63-0	33.3	400	12,000 ppm	4,720 mg/kg	:

- Each Individual swab contains approximately 0.6 ml of application solution.  
The application solution consists of 70% Isopropyl Alcohol and 30% purified D.I. Water.

**Section III -- Physical Data**

Physical State: Individually sealed alcohol - impregnated swabs  
Odor: a) No odor when swab is sealed  
b) Alcohol odor when pouch is opened  
Vapor 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) 14 (for 99% alcohol only) TCC  
Auto ignition Temperature: 399°C (for 99% alcohol only)  
Flammable Limits (Vol. %) LEL 2 (for 99% alcohol only)  
LEL 12 (for 99% alcohol only)  
Hazardous Combustion Products: Fumes, smoke, oxides of carbon  
Extinguishing Media: Dry chemical, carbon dioxide  
Alcohol foam, water as extinguishing agents.  
Special Fire Hazard: Keep away from sources of extreme heat

**Section V -- Reactivity Data**

Chemical Stability:	Stable
Materials to avoid:	Strong oxidizing agents

## Section VI -- Health Hazard Data

(For 99% alcohol only) Inhalation:	Low to moderate toxicity. Vapors in high concentrations are irritating.
Eye contact:	May cause irritation and lead to tissue damage if exposure persists.
Skin contact:	Very low order of toxicity by skin absorption. Frequent or prolonged skin irritation and dermatitis.
Ingestion:	Low order of toxicity.

## Section VII -- Precautions for Safe Use and Handling

General:	Store product in cool place. The Individual swabs are for external use only.
Leak and Spill	Due to product packaging (sealed swabs) the chance of a spill is negligible.
Waste Disposal:	Dispose of used swabs as normal household trash.

## Section VIII -- Emergency First Aid Procedures

(For 99% alcohol only) Contact with eyes:	If eye contact occurs, immediately flush with water for several minutes. If irritation persists, obtain medical attention.
Contact with skin:	Wash with soap and water.
Inhalation:	Remove from contaminated area. Apply artificial respiration if breathing is difficult. Obtain medical attention.
Ingestion:	Do not induce vomiting. Keep at rest and call a physician.
Ingestion of swab:	Not a normal route of exposure. However, if ingested, remove swab and flush with water.

### Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. No point has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Actual product use are beyond control of the supplier, it is assumed that user of this material has been fully trained and meets all mandatory requirements. The buyer assumes all risk of use, storage and handling to comply with local, provincial/state regulations. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or damages, which may result from the use of or reliance on any information contained in this form. If user requires information on this or any other material, we recommend contacting the Canadian Center for Occupational Health and Safety in Hamilton, Ontario (1-800-263-8276) or CSTS in Montreal, Quebec (514-873-3990).



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