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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)	LD/50 (Dermal Rabbit)
Isopropyl Alcohol (99%)	67-63-0	33.3	400	12,000 ppm	4,720 mg/kg	12.9 g/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 imitating and anesthetic.
Eye contact:	May cause imitation and lead to tissue damage if exposure persists
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

General:	Store product in cool place. The Individual swabs are for external application 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, until irritation subsides. If irritation persists, obtain medical attention.
Contact with skin:	Wash with soap and water.
Inhalation:	Remove from contaminated area. Apply artificial respiration if breathing has stopped. 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 rinse mouth several time with water.

Disclaimer:

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every point has been made to ensure full solitaire 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 user of this material has 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. If user requires independent information on this or any other material, we recommend contacting the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSTS in Montreal, Quebec (514-873-3990).



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