



DEB CANADA

MATERIAL SAFETY DATA SHEET

NPN 8000584

SECTION I**WHMIS NON-CONTROLLED**

PRODUCT NAME AND DESCRIPTION MICROSAN FOAMING ALCOHOL HANDRUB	EMERGENCY TELEPHONE NO. (519) 443-8697
MANUFACTURER'S/ SUPPLIER'S NAME AND ADDRESS Deb Canada, Waterford, ON NOE 1YO	FORMULA: AF286
HMIS: Health <u>1</u> Flammability <u>3</u> Reactivity <u>0</u> Personal Protection <u>None</u>	DANGEROUS GOODS CLASS ---

SECTION II - COMPOSITION

CHEMICAL NAME	CAS or RD NUMBER	KEY
ETHYL ALCOHOL	64-17-5	60-70%
N-PROPANOL	71-23-8	≤ 10%

SECTION III - PHYSICAL DATA

APPEARANCE, COLOR AND ODOUR: Colourless to Slightly Yellow, Clear To Slight Opalescent liquid with characteristic alcohol odour.	
BOILING POINT °C: 78°C	MELTING POINT °C: Not Applicable.
SPECIFIC GRAVITY (H ₂ O=1): 0.84-0.89	EVAPORATION RATE (H ₂ O=1): 1.4
SOLUBILITY IN WATER: Miscible.	pH VALUE CONCENTRATE: 6.5 – 8.5
VOLATILE ORGANIC COMPOUND 70 - 80%	pH VALUE DILUTION: Not Applicable.
VAPOUR PRESSURE (mm Hg) (psi): Not Available.	VAPOUR DENSITY (Air = 1): Not Available.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F), (TCC): 73	FLAMMABLE LIMITS: Flammable Liquid	LEL Not available	UEL Not available
EXTINGUISHING MEDIA: Carbon dioxide, dry chemicals media for small fire			
SPECIAL FIRE FIGHTING PROCEDURES: Evacuate hazard area. Wear adequate respiratory and clothing protection. Cool fire exposed containers with water. Handle as a flammable liquid.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Product is flammable due to alcohol content.			

**MICROSAN FOAMING ALCOHOL HANDRUB
SECTION V - HEALTH HAZARD DATA**
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EFFECTS OF OVEREXPOSURE: None.
FIRST AID AND EMERGENCY PROCEDURES - SKIN CONTACT: If irritation and redness occurs, wash skin with soap and water. Discontinue use. If irritation persists, contact physician.
EYE CONTACT: Wash eyes with plenty of water for 15 minutes - if irritation persists, contact physician.
INGESTION: Give large amounts of water. DO NOT INDUCE VOMITING. Contact physician immediately.
INHALATION: Remove person to fresh air area. Contact physician if difficulty in breathing persists.
CARCINOGENICITY: Non Hazardous by WHMIS criteria.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID: Heat, sparks, open flames and ignition sources. Do not store in aluminum containers.
	STABLE X	
INCOMPATIBILITY (Materials to avoid) - Avoid oxidizing agents, caustics, acids.		
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Oxides of Nitrogen.		

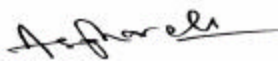
SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: FLAMMABLE! Eliminate all ignition sources. Wear adequate clothing and respiratory protection. Remove spill with appropriately grounded vacuum trucks or pumps to storage vessel. For small spills absorb with absorbent material and remove to tightly closed containers.
WASTE DISPOSAL METHOD: Dispose of in accordance with all municipal, provincial and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

PROTECTIVE CLOTHING: None required.	PROTECTIVE GLOVES: None required.	EYE PROTECTION: See <u>OTHER</u> below.
OTHER: Safety goggles should be worn when splash hazard is present.		
RESPIRATORY PROTECTION (specify types): None Required.		
VENTILATION:	LOCAL EXHAUST (Specify rate): Good general ventilation.	SPECIAL:
	MECHANICAL (General) (Specify rate):	OTHER:

SECTION IX - STORING AND HANDLING

STORING PRECAUTIONS: Material is flammable. Keep away from heat, sparks and flame. Store in a cool, well ventilated area. Do not store in aluminum containers. Keep away from oxidizing materials. Keep container sealed.	
HANDLING PRECAUTIONS: Use older container first.	OTHER PRECAUTIONS: Avoid freezing conditions.
SIGNED: 	Asghar Ali, Chemist DATE: August 03, 2005