

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According To 29 CFR 1910.1200)

Effective Date 11/94

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: North Woods™ Nu-Coil
Generic Name: Acid based coil cleaner
Suppliers Name: SUPERIOR CHEMICAL CORP. Phone 920-457-4481
Suppliers Address: 1331 Wisconsin Avenue Sheboygan, WI 53081
Proper Shipping Name: Corrosive Liquids, Poisonous, N.O.S. (contains Phosphoric acid, hydrofluoric acid) 8, UN2922, PgII

Chemical Family: N/A
Formula: N/A

NPCA Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	1
Maximum Personal Protection	X

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Hydrofluoric Acid *	7664-39-3	5-10%	N/A	3ppm	6ppm	No
Phosphoric Acid *	7664-38-2	10-20%	N/A	1mg/M3	3ppm	No
Ethylene Glycol Monobutyl Ether *	111-76-2	5-10%	N/A	25ppm	N/A	No

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* Subject to the reporting requirements of section 313 of the Emergency Planning & Community Right To Know Act of 1986 & 40 CFR372

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): 212°F
Vapor Pressure: Not det.
% Volatile:
Solubility in Water: Complete.
Physical Description: Clear light blue liquid with cherry odor.

Specific Gravity: 1.075
Vapor Density: Not det.
pH: 1.5
Evaporation Rate: as H2O

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point (method used): 0 to boiling.
Upper Explosive Limit: N/A Lower Explosive Limit: N/A
Extinguishing Media: Water spray, dry chemical, foam, CO2.
Special Fire Fighting Procedures: Self/Cont. air supply
Unusual Fire & Explosion Hazards: None.

SECTION 5 - REACTIVITY DATA

Stability: Stable. Hazardous Polymerization: Will not occur.
Incompatibility (materials to avoid): Strong oxidizers, acids.
Hazardous Decomposition Products: Trace levels of hydrofluoric acid gas

SECTION 6 - STORAGE & HANDLING INFORMATION

Precautions To Be Taken In Handling & Storage:
Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.
Do not allow contact with glass, ceramic, or other silica containing material.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Primary Route of Entry:
Skin: May cause severe burns.

Eyes: May cause severe burns.

Inhalation: May cause damage to tissues of the upper respiratory tract. Chemical pneumonia may be a result of severity.

Ingestion: Severe damage to mucous membranes contacted and possible perforation of these tissues may occur.

First Aid Procedures:

Skin: Wash with large amounts of soap and water. Seek medical attention if irritation persists.

Eyes: Flush eyes with water for at least 15 minutes. Seek medical attention immediately.

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: DO NOT INDUCE vomiting. Dilute by drinking water. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use NIOSH approved respirator.

Ventilation: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.

Protective Gloves: Neoprene recommended.

Eyes: Safety glasses or goggles.

Other Protective Equipment: Full protective clothing

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:
Mop up or otherwise absorb and hold for disposal.

Waste disposal method:
Any method in accordance with applicable laws.