

MATERIAL SAFETY DATA SHEET

(Prepared According To 29 CFR 1910. 1200)

Effective Date 11/92

N/A = Not Applicable

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: North woods™ M.A.D. Chemical Family: N/A
Generic Name: Mild acid detergent. Formula: N/A
Suppliers Name: SUPERIOR CHEMICAL CORP. Phone 414-457-4481
Suppliers Address: 1331 Wisconsin Avenue Sheboygan, WI 53081
Proper Shipping Name: Compound Cleaning Liquid, Corrosive
Material-NA1760

NPCA Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Maximum Personal Protection	B

SECTION 2 - INGREDIENTS

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Water	7732-18-5	to 100				No
Phosphoric Acid*	7664-38-2	30.0	1mg/M3	1mg/M3	3mg/M3	No
Gluconic Acid	526-95-4	0 to 5				No
Anionic Surfactant	27176-87-0	0 to 5				No
Nonionic Surfactant	26027-38-3	0 to 5				No
Nonionic Surfactant	61788-90-7	0 to 5				No
Dye	N/A	0 to 5				No

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

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): 218°F initial Specific Gravity: 1.18
Vapor Pressure: <20mm Hg@68°F Vapor Density: >1
% Volatile: 60+ pH: 1.5-2.0
Solubility in Water: 100% Evaporation Rate: <1
Physical Description: Thin yellow liquid with no odor.

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point (method used): N/A
Upper Explosive Limit: N/A Lower Explosive Limit: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosion Hazards: N/A

SECTION 5 - REACTIVITY DATA

Stability: Stable. Hazardous Polymerization: Will not occur.
Incompatibility (materials to avoid): Strong alkalis, oxidizers,
reactive metals.
Hazardous Decomposition Products: Phosphorous oxide vapors in a
fire.

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.

SECTION 7 - HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Primary Route of Entry:
Skin: Severe irritant. Prolonged or repeated contact can cause
chemical burns or dermatitis.
Eyes: Severe irritant. Liquid and mists may burn or injure the eyes.
Inhalation: May be irritating to mucous membranes of nose, throat
and lungs.
Ingestion: May be irritating or corrosive to mouth and throat. Can
cause nausea and vomiting.

First Aid Procedures:

Skin: Flush exposed area with large quantities of water. Seek medical
attention if irritation persists.
Eyes: Flush eyes with large quantities of water, holding eyelids open.
Seek medical attention if irritation persists.
Inhalation: Get to fresh air. Seek medical attention if symptoms
persist.
Ingestion: DO NOT INDUCE vomiting. Give large quantities of water
or milk. Seek medical attention immediately.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use with adequate ventilation.

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

Protective Gloves: Acid proof.

Eyes: Safety glasses.

Other Protective Equipment: N/A

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.