

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According To 29 CFR 1910.1200)

Effective Date: 01/09

SECTION 1 - PRODUCT IDENTIFICATION

Product Name: North Woods® Scale Off
Generic Name: Lime and scale remover.
Suppliers Name: SUPERIOR CHEMICAL CORP.
Suppliers Address: 1331 Wisconsin Avenue, Sheboygan, WI 53081
Phone: 800-242-7694
EMERGENCY PHONE: 800-535-5053

Chemical Family: N/A
Formula: N/A

NPCA Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	2
Maximum Personal Protection	B

SECTION 2 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	WT.%	PEL	TWA-TLV	STEL-TLV	CARCINOGEN
Hydrochloric Acid	79-14-1	< 5				No
Phosphoric Acid	7664-38-2	30 to 40	1mg/cu.m	1mg/M3	N / A	No

SECTION 3 - PHYSICAL DATA

Boiling Range (°F): 230°F
Vapor Pressure: < 10 mm Hg
% Volatile: 60-65
Solubility in Water: 100%
Physical Description: Green liquid with pungent acid odor.

Specific Gravity: 1.23
Vapor Density: >1
pH: < 1
Evaporation Rate: >1
VOC's: 0 lbs/gal.

SECTION 4 - FIRE & EXPLOSION HAZARD DATA

Flash Point (method used): N / A
Upper Explosive Limit: N/A
Lower Explosive Limit: N/A
Extinguishing Media: Water, CO2, dry chemical or foam.
Special Fire Fighting Procedures: Full protective clothing.
Unusual Fire & Explosion Hazards: N/A

SECTION 5 - REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur.
Incompatibility (materials to avoid): Alkalis, oxidizing agents, metals.
Hazardous Decomposition Products: Oxides of carbon and phosphorous.

SECTION 6 - STORAGE & HANDLING INFO

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: Irritant.

Eyes: Irritant.

Inhalation: May aggravate asthma, bronchitis, emphysema, chronic nose, throat, and sinus conditions.

Ingestion: See First Aid Procedures.

First Aid Procedures:
Skin: Flush with water. Seek medical attention if irritation persists.

Eyes: Flush with water for 15 minutes. Seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention.

Ingestion: DO NOT INDUCE vomiting. Drink large amounts of water or milk. Seek medical attention.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH approved respirator for acid.

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

Protective Gloves: Neoprene, rubber or PVC

Other Protective Equipment: Eyewash facilities should be available.

Eyes: Safety goggles or full face shield.

SECTION 9 - SPILL OR LEAK PROCEDURES

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

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

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** The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions or ordinary use.