

MATERIAL SAFETY DATA SHEET

N/A = Not Applicable

(Prepared According To 29 CFR 1910.1200)

Effective Date: 06/07

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

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

Eyes: Safety goggles or full face shield.

Other Protective Equipment: Eyewash facilities should be available.

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.