

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 3 Flammability 0 Reactivity 0
 = =
HMIS RATING: Health = 3 Flammability 0 Reactivity 0
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SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (0418C)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** PRO-LINE EXTRA STRENGTH CLEANER/STRIPPER**Address:** 302 North Fourth Street
St. Joseph, MO 64501**Date Prepared:** March 20, 1995**Prepared by:** Regulatory Affairs Department**Emergency Telephone No.:** (800)-424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals.)**Other information calls:** (816) 233-1321 (Ext. 2303)
<http://www.hillyard.com>**SECTION II -- INGREDIENTS/IDENTITY INFORMATION**

Components (Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Sodium metasilicate(1)	6834-92-0	2 mg/M ³	2 mg/M ³	N/A	5-10
Water	7732-18-5	none	none	N/A	---

(1) Exposure may be elevated as ceiling for Sodium hydroxide per OSHA: PEL = 2 mg/m³ or TLV = 2 mg/m³**SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling corr. 216°F **Specific Gravity (H₂O = 1):** 1.04
Point:
Vapor Pressure (mm Hg.): 17.5 **Percent Volatile by Volume (%):** 92.67 (average)
Vapor Density (AIR = 1): 0.62 **Evaporation Rate (ethyl ether = 1):** slower than 1
Solubility in Water appreciable **Appearance and Odor:** clear, red liquid; non-objectionable odor
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SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash None (Tag Closed Cup) **Flammable Limits:** LEL N/A UEL = N/A
point: =
Extinguishing Media: Water, carbon dioxide, dry chemical or foam
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: N/A

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N/A
Incompatibility (Materials to Avoid): N/A
Hazardous Decomposition Products or Byproducts: None known to manufacturer
Hazardous Polymerization: Will not occur **Conditions to Avoid:** N/A

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Yes Skin? Yes Ingestion? Yes
 Inhalation?

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Concentrate is corrosive to all body tissue with which it comes in contact.
2. Prolonged and repeated exposure to the skin may produce dermatitis. Inhalation of spray mist may result in varying degrees of irritation.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No

I.A.R.C. Monographs = No

OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater or equal to 0.1%.

SECTION VI -- HEALTH HAZARD DATA cont.

Signs and Symptoms of Exposure: Concentrated product may produce skin and eye burns. Ingestion may produce burns of mucous membranes of the mouth, throat, esophagus and stomach.

Medical Conditions Generally Aggravated by Exposure: Skin problems such as industrial dermatitis

Emergency and First Aid Procedures: In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes; remove contact lenses and flush eyes with water again. Get medical attention. Wash clothing before reuse and thoroughly clean contaminated shoes. If swallowed do not induce vomiting. Immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room or poison control center. Inhalation: remove victim to fresh air; if respiratory tract remains irritated call a physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Small spills: flush with water and pick up with mop or wet vac. Large spills may be absorbed with floor dry material.

Waste Disposal Method: Dispose of in accordance with state and local regulations. Since pH of concentrate is 12.5 - 13.5 this falls within the definition of corrosive per EPA Hazardous Waste classification. When diluted with normal tap water for use below pH of 12.5 is not an EPA hazardous waste.

Precautions To Be Taken In Handling And Storing: Spray mist may produce respiratory irritation or damage without proper ventilation. Do not use with fog mist sprayer without respiratory protection. Keep container closed when not in use. Triple rinse package before discarding when empty.

Other Precautions: This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII -- CONTROL MEASURES:

Respiratory Protection (Specify Type): Ventilate to keep air below TLV on metasilicate

Ventilation: 10 air changes/hour recommended

Local Exhaust	Recommended	Mechanical (General)	Recommended	Special	N/A	Other =	N/A
=		=		=			

Protective Gloves: Impervious gloves when working with concentrate

Eye Protection: Chemical safety goggles when working with concentrate

Other Protective Clothing or Equipment: Impervious to water and alkaline liquids where contact with concentrate is a concern.

Work / Hygienic Practices: Wash thoroughly after handling

SECTION IX - TRANSPORTATION INFORMATION:

Applicable regulations: DOT = no; IMCO = no; IATA = no

Proper shipping name: Cleaning compound

UN No.: not applicable **Limited Qty.:** not applicable **Hazard Class:** not applicable

Labels required: not required **DOT Exception:** not applicable

EPA Hazardous waste/number code: not listed

Hazardous waste characteristics:

Ignitability = not applicable; **Corrosivity** = yes; **Reactivity** = not applicable

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The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

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