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Material Safety Data Sheet

NFPA Rating: Health = 3, Flammability = 0, Reactivity = 0

HMIS Rating: Health = 3, Flammability = 0, Reactivity = 0

#151

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION (0489B)

Manufacturer's Name	HILLYARD INDUSTRIES	Product Name	POWER-STRIP
Address	302 North Fourth Street St. Joseph, MO 64502	Date Prepared	June 12, 1991

Prepared by Regulatory Affairs Department

Emergency Telephone No.: CHEMTREC (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. 303)

SECTION II - INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity; Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Sodium metasilicate (1)	6834-92-0	2 mg/M ³	2 mg/M ³	N/A	5-10
Ethanolamine (2)	141-43-5	3 ppm	3 ppm	N/A	3-5
Water	7732-18-5	none	none	N/A	---
Benzyl alcohol (3)	100-51-6	not est.	not est.	N/A	---

- (1) Regulated by OSHA on particulate dust
- (2) Regulated by OSHA, CT, FL, IL, LA, MA, NJ, PA, RI
- (3) Regulated by FL, MA, PA

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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	corr. 204°F	Specific Gravity (H ₂ O = 1)	pH (concentrate) 13.4 avg 25°C 1.06 39°C 1.05
Vapor Pressure (mm Hg.)	17.2	Percent Volatile By Volume (%)	average 92.15
Vapor Density (Air = 1)	0.7	Evaporation Rate	(ethyl ether = 1) slower than 1
Solubility in Water	appreciable	Appearance and Odor	clear red liquid; non-objectionable odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
none (T.C.C.)		N/A	N/A

Extinguishing Media: Water, carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures: Normal fire fighting procedures may be used. Cool and cautiously approach or handle fire-exposed containers.

Unusual Fire and Explosion Hazards: N/A

SECTION V - PHYSICAL HAZARDS

Stability: Unstable Conditions to Avoid N/A
Stable

Incompatibility (Materials to Avoid): Oxidizing materials and strong acids

Hazardous Decomposition Products Or Byproducts: Produces normal products of combustion when exposed to fire.

Polymerization: Hazardous May Occur Conditions To Avoid none known
Will Not Occur

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SECTION VI - HEALTH HAZARD DATA

6/12/91

Route(s) of Entry:	Inhalation? yes	Skin? yes	Ingestion? yes
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Health Hazards (1. Acute and 2. Chronic)
 1. Direct contact with concentrate in eyes can cause severe irritation and damage.
 2. Prolonged and repeated exposure to skin may produce irritation or damage. Inhalation of spray mist may result in varying degrees of irritation.

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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Signs and Symptoms of Exposure
 Concentrated product may produce skin and eye burns. Ingestion may produce burns 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; remove contact lenses and again flush eyes with water; GET MEDICAL ATTENTION. Remove all contaminated clothing; wash before reuse. 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
 Absorb with floor dry or similar inert material. Sweep or scrape up and put in appropriate container. Rinse spill area thoroughly with water. Use appropriate protective equipment.

Waste Disposal Method
 Disposal is regulated by the Resource Conservation and Recovery Act; concentrate is corrosive per EPA Hazardous Waste classification. Disposal of regulated quantities should be neutralized at a permitted facility in accordance with all federal, state and local requirements.

Precautions To Be Taken In Handling And Storing
 Keep container closed when not in use. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewer to public-owned treatment works in compliance with applicable federal, state and local requirements.
 Other Precautions
 Do not use with fog mist or fine droplet sprayer without respiratory protection. *

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)
 Ventilate to keep air concentration below TLV on ethanalamine or metasilicate.

Ventilation	Local Exhaust	Mechanical (General)	Special	Other
	recommended	recommended	N/A	N/A

Protective Gloves
 impervious gloves when working with conc.

Eye Protection
 chemical safety goggles when working with conc.

Other Protective Clothing Or Equipment
 Impervious to water and alkaline liquid where conc. is a concern

Work/Hygienic Practices
 Wash thoroughly after handling.

DISCLAIMER OF WARRANTIES

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