

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 2 Flammability = 0 Reactivity = 0
 HMIS RATING: Health = 1/2 Flammability = 0 Reactivity = 0

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION

(#519N-78A)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: BASEBOARD STRIPPER GEL

Address: 302 North Fourth Street
St. Joseph, MO 64501

Date Prepared: September 15, 2004

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. 8285)

<http://www.hillyard.com>

SECTION II – INGREDIENTS/IDENTITY INFORMATION

Components

(Specific Chemical Identity:

Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Ethanolamine (1)	141-43-5	3 ppm	3 ppm	N.A.	3-7%
Water	7732-18-5	none	none	N.A.	---
Alkali Surfactant	64072-46-3	Not established	Not established	NA	---
Benzyl Alcohol	100-51-6	Not established	Not established	N.A.	---
Ethylene Glycol Phenyl Ether	122-99-6	Not established	Not established	N.A.	---

(1) Regulated by OSHA, CT, FL, IL, LA, MA, NJ, PA, RI.

VOC (Concentrate) = 12%; VOC (min. dilution) = 12%

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 218°F Specific Gravity (H₂O = 1): 25°C = 1.01 & 39°C = 1.01
 Vapor Pressure (mm Hg.): 17.1 Percent Volatile by Volume (%): 97.3
 Vapor Density (AIR = 1): 0.92 Evaporation Rate (ethyl ether = 1): slower than 1
 Solubility in Water: Complete Appearance and Odor: Hazy, light amber, viscous liquid, non-objectionable odor
 pH (concentrate) = 11.3

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None (Tag Closed Cup) Flammable Limits: LEL = Not established UEL = Not established

Extinguishing Media: Carbon dioxide, dry chemical or foam (water spray to cool closed containers)

Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire and Explosion Hazards: None known to Hillyard.

SECTION V – PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: Heat, sparks and open flame

Incompatibility (Materials to Avoid): Keep away from strong oxidizers such as permanganate or strong oxides. Avoid contact with all acids, leather, wool, aluminum.

Hazardous Decomposition Products or Byproducts: During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds.

Hazardous Polymerization: Will not occur Conditions to Avoid: N/A

SECTION VI -- HEALTH HAZARD DATA

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

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Corrosive to all body tissue with which it comes in contact. Prolonged skin contact may consist of multiple areas of superficial destruction of the skin or dermatitis. Avoid prolonged exposure or repeated exposure to the skin. Excessive exposure to ethylene glycol phenyl ether may cause hemolysis thereby reducing the blood's ability to transport oxygen. No mortality when tested at 5 gm./kg oral ingestion study. 2. None known to Hillyard.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = No

I.A.R.C. Monographs = No

OSHA = No

SECTION VI – HEALTH HAZARD DATA continued.

Signs and Symptoms of Exposure: Harmful if swallowed or absorbed through skin. Prolonged over exposure may irritate respiratory tract. Causes severe eye irritation. Can cause severe skin irritation if it remains on skin for more than one hour; test subjects showed necrosis after 4 hour exposure.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing skin conditions such as dermatitis.

Emergency and First Aid Procedures: Inhalation - Remove person to fresh air. If breathing difficulty persists or occurs later, call a physician. In case of contact, immediately flush eyes or skin with plenty of water for 15 minutes. Get prompt medical attention. Remove and wash all contaminated clothing before reuse. If swallowed, immediately give large amounts of water and CALL A PHYSICIAN, hospital emergency room, or poison control center.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb large spills with floor dry material (see disposal below).

Small spills: Flush with water and pick up with mop or wet vacuum.

Waste Disposal Method: Dispose of in accordance with state or local regulations. Do not dispose of in storm drains or streams; Monoethanolamine is toxic to fish and benzyl alcohol is toxic to birds and fish.

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use. Since empty packages retain product residue, follow label warning even after package is empty. USE WITH ADEQUATE VENTILATION. Avoid prolonged breathing of vapors or spray mist. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 for technical guidelines on keeping air contamination below acceptable exposure limits. Do not take internally. Do not get in eyes, on skin, or on clothing. Protect eyes and skin when handling concentrate. Wash thoroughly after handling. Keep container closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Wear appropriate, properly fitted respirator (NIOSH or MSHA approved) unless air monitoring demonstrates vapor or mist levels are below applicable limits.

Ventilation: at least 10 air changes per hour recommended

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

Protective Gloves: impervious rubber gloves **Eye Protection:** chemical safety goggles

Other Protective Clothing or Equipment: protective clothing such as uniforms, coveralls.

Work / Hygienic Practices: Wash contaminated clothing before reuse (including shoes).

SECTION IX – TRANSPORTATION INFORMATION

DOT SHIPPING DESCRIPTION ON BILL OF LADING:

(Quart boxes) = Consumer Commodity ORM-D

Package Marking = Consumer Commodity ORM-D Label = None Hazard Class = not applicable

IMDG and IATA SHIPPING DESCRIPTION ON BILL OF LADING:

(Quart boxes) = Corrosive Liquid N.O.S., (Monoethanolamine), 8, UN 1760, PG II

Package Marking = Corrosive Liquid N.O.S., (Monoethanolamine), 8, UN 1760, PG II

Package Label = Corrosive Hazard Class = 8 Package Group = II

EPA Hazardous waste number/code: not listed

Hazardous waste characteristics: Ignitability = not applicable; Corrosivity = not applicable; Reactivity = not applicable

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

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.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.