

H15247

#152

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 3 Flammability = 0 Reactivity = 0
 HMIS RATING: Health = 3 Flammability = 0 Reactivity = 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION (1132A)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: SUPER STRIP
 Address: 302 North Fourth Street Date Prepared: April 28, 2008
 St. Joseph, MO 64501 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	%
2-Butyl cellosolve (2-Butoxyethanol) (1)*	111-76-2	50ppm	20 ppm	N.A.	18-23%
Ethanolamine (2)	141-43-5	3 ppm	3 ppm	N.A.	3-7%
Potassium Hydroxide (3)*	1310-58-3	2 mg/m ³	2 mg/m ³	NIOSH = 2mg/m ³	1-5%
Sodium Metasilicate	6834-92-0	not est.	not est.	2 mg/M ³	1-5%
Water	7732-18-5	none	none	N.A.	---
Sodium Xylene Sulfonate	1300-58-3	none	none	N.A.	---

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

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

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

*This product contains the following chemicals subject to the reporting requirements of SARA Title III, Sec. 313, and 40 CFR Part 372: 2-Butoxyethanol and Potassium Hydroxide.

VOC (Concentrate) = 26%; VOC (min. dilution) = 4.33%

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 204°F Specific Gravity (H₂O = 1): 25°C = 1.05 & 39°C = 1.06
 Vapor Pressure (mm Hg.): 16.3 Percent Volatile by Volume (%): 84.2%
 Vapor Density (AIR = 1): 1.5 Evaporation Rate (ethyl ether = 1): slower than 1
 Solubility in Water: Complete Appearance and Odor: Clear, colorless to amber liquid; mild solvent odor
 pH (concentrate) = 13.8

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, copper, tin, lead, zinc and their alloys.
 Hazardous Decomposition Products or Byproducts: Potassium hydroxide reacts with zinc, aluminum, tin, and other active metals liberating flammable hydrogen gas.
 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. Chronic local effects may consist of multiple areas of superficial destruction of the skin or dermatitis. Harmful or fatal if swallowed. 2. None known to Hillyard
 Chemical listed as Carcinogen or Potential Carcinogen:
 National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No