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

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION  *(538N-57A)  
Distributor: HILLYARD INDUSTRIES  
Address: 302 North Fourth Street  
St. Joseph, MO 64501  
Date Prepared: March 23, 2010 (version 2)  
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: CAS# OSHA ACGIH OTHER LIMITS %  
Common Name(s): PEL TLV RECOMMENDED)  
Diethylene Glycol Monobutyl Ether*(1) 112-34-5 N/E N/E N/A 5-10  
EDTA Tetrasodium Salt 64-02-8 N/E N/E N/A 1-3  
Water 7732-18-5 none none N/A ----  
(1) Regulated by the following states: OH and PA.  
* This product contains the following chemical subject to reporting requirements of SARA Title III, Section 313 and 40 CFR Part 372: Diethylene Glycol Monobutyl Ether.

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS  
*Boiling Point: 210°F  
*Vapor Pressure (mm Hg.): 17.36  
*Vapor Density (AIR = 1): 1.03  
Solubility in Water: Complete  
*pH = 12 - 13  
*Specific Gravity (H₂O = 1): 1.0196  
*Density=8.65 lb/gal.  
*Percent Volatile by Weight (%): greater than 97%  
Evaporation Rate (ethyl ether = 1): slower than 1  
Appearance and Odor: Clear liquid, lemon fragrance

SECTION IV – FIRE AND EXPLOSION HAZARD DATA  
Flash point: greater than 180°F (T.C.C.)  
Flammable Limits: LEL = N.E. UEL = N.E.  
Extinguishing Media: Water, CO₂, foam or media suitable for surrounding fire.  
Special Fire Fighting Procedures: Standard fire fighting procedures may be followed, including full protective gear, NIOSH approved self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None known to manufacturer.

SECTION V – PHYSICAL HAZARDS  
Stability: Stable  
Conditions to Avoid: Do not mix with other chemicals.  
Incompatibility (Materials to Avoid): None known to manufacturer.  
Hazardous Decomposition Products or Byproducts: Thermal decomposition or burning may produce toxic vapors or gases.  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: None known to manufacturer.

*SECTION VI – HEALTH HAZARD DATA  
Routes of entry: Inhalation? no Skin? yes Ingestion? yes  
HEALTH HAZARDS (1. Acute and 2. Chronic)  
1. Acute: Harmful if swallowed. Eye and skin irritant.  
2. Chronic: None known to manufacturer.  
Chemical listed as Carcinogen or Potential Carcinogen: National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No  
Signs and Symptoms of Exposure: Irritation or burning sensation.  
Medical Conditions Generally Aggravated by Exposure: May aggravate skin disorders or respiratory ailments.
*HEALTH HAZARD DATA (CONTINUED)
Emergency and First Aid Procedures: Eye Contact: Flush immediately with water for 15 minutes. Get medical attention. Skin Contact: Flush with water for 15 minutes. Remove and wash contaminated clothing. If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE
Steps To Be Taken In Case Material Is Released Or Spilled: Wear appropriate protective equipment. If possible, contain spill and collect in an approved container. Rinse affected area thoroughly with water. Keep product out of sewers or waterways. Hold for disposal.
Waste Disposal Method: Dispose of in accordance with applicable local, state, and federal regulations. If possible, triple rinse container and recycle.
Precautions To Be Taken In Handling And Storing: Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Store in original container, in cool dry place with adequate ventilation. Keep out of reach of children. Keep container tightly closed when not in use.
Other Precautions: Use only according to label directions. If unsure about safe use, contact your supervisor immediately.

SECTION VIII – CONTROL MEASURES
Respiratory Protection (Specify Type): Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. An approved dust/mist respirator would be recommended.
Ventilation: Local Exhaust = As necessary Mechanical (General) = Adequate Special = N.A. Other = N.A.
Protective Gloves: Water impervious (Latex, Neoprene)
Eye Protection: Chemical Resistant Goggles or Face Shield.
Other Protective Clothing or Equipment: Not Required.

SECTION IX – TRANSPORTATION INFORMATION
Applicable regulations: 49 CFR = 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 = not applicable; Reactivity = not applicable

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Version 2, * Denotes revisions since last published MSDS. Supersedes Version 1 December 31, 1998