

## MATERIAL SAFETY DATA SHEET

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

## SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (Diluted 1:64) (538N-77A)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: NEUTRALIZER Ready to use  
 Address: 302 North Fourth Street Date Prepared: December 10, 2007  
 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	%
Dipropylene Glycol Methyl Ether	34590-94-8	100ppm	100ppm	STEL=150	less than 0.05
Water	7732-18-5	N/A	N/A	N/A	---
EDTA Tripotassium salt	17572-97-3	N/A	N/A	N/A	---
B-Alanine, N-(2-carboxyethyl)-N-[3-(decyloxy) propyl] monosodium salt	64972-19-6	N/A	N/A	N/A	---
Linear Primary Alcohol Ethoxylate	68439-46-3	N/A	N/A	N/A	---

V.O.S. diluted 1/64 = 0.0.002lbs./gallon

## SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 201°F Specific Gravity (H<sub>2</sub>O = 1): 25°C = 1.00 & 39°C = 1.00  
 Vapor Pressure (mm Hg.): 17.6 Percent Volatile by Volume (%): 99.65  
 Vapor Density (AIR = 1): .62 Evaporation Rate (ethyl ether = 1): slower than 1  
 Solubility in Water: complete Appearance and Odor: Clear-colorless liquid; non-objectionable  
 pH (concentrate) = 6-7 odor

## SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None (T.C.C.) Flammable Limits: LEL = N/A UEL = N/A  
 Extinguishing Media: N/A  
 Special Fire Fighting Procedures: None  
 Unusual Fire and Explosion Hazards: None

## SECTION V -- PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: N/A  
 Incompatibility (Materials to Avoid): Aluminum and copper metal; strong oxidizers  
 Hazardous Decomposition Products or Byproducts: None known  
 Hazardous Polymerization: Will not occur Conditions to Avoid: N/A

## SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? No Skin? No Ingestion? No

## HEALTH HAZARDS (1. Acute and 2. Chronic)

1. When diluted 1:64 product is not considered to be a primary skin irritant or eye irritant. Prolonged exposure to eyes may cause mild irritation. 2. None known to manufacturer.

**SECTION VI – HEALTH HAZARD DATA continued**

**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 than or equal to 0.1%.

**Signs and Symptoms of Exposure:** None known

**Medical Conditions Generally Aggravated by Exposure:** None known

**Emergency and First Aid Procedures:** N/A

**SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps To Be Taken In Case Material Is Released Or Spilled:** Pick up with mop or wet vac and wash away with water.

**Waste Disposal Method:** Wash spills down interior sewer with large amount of water. Keep spills and cleaning runoffs out of municipal storm sewers and open bodies of water. Dispose of liquid per local, state and federal regulations.

**Precautions To Be Taken In Handling And Storing:** Freezing of product may rupture container. Product shelf life is best retained by storage at 45-100°F temperatures.

**Other Precautions:** Do not store or use in copper or aluminum containers. 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):** None required

**Ventilation:** N/A

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

**Protective Gloves:** None required

**Eye Protection:** N/A

**Other Protective Clothing or Equipment:** None required

**Work / Hygienic Practices:** Rinse Neutralizer off skin and clothing with water.

**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.**