

**MATERIAL SAFETY DATA SHEET**

**NFPA RATING:** Health = 0 Flammability = 0 Reactivity = 0

**HMIS RATING:** Health = 0 Flammability = 0 Physical Hazard = 0

**SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (538N-76A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES

**Product Name:** NUTRA-RINSE

**Address:** 302 North Fourth Street

**Date Prepared:** May 9, 2011 (version 2)

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	%
Water	7732-18-5	N/A	N/A	N/A	---
Tetrasodium salt of EDTA	64-02-8	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	---

N/A= Not Applicable N/E= Not Established

**\*SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

**\*Boiling Point:** 209°F

**Specific Gravity (H<sub>2</sub>O = 1):** 25°C = 1.04 **\*Density =** 8.75 lbs/gl

**Vapor Pressure (mm Hg.):** 17.6

**Percent Volatile by Volume (%):** 88 – 89%

**Vapor Density (AIR = 1):** 0.6

**Evaporation Rate (ethyl ether = 1):** Slower than 1

**Solubility in Water:** Complete

**Appearance and Odor:** Clear, blue liquid; non-objectionable odor

**pH (Concentrate) =** 6 - 7

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

**Flash point:** None to 200° (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. None known

2. None known

**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%.

**SECTION VI – HEALTH HAZARD DATA cont.**

**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 small quantities down sewer with large amount of water. Keep spills and cleaning runoffs out of municipal storm sewers and open bodies of water. Large spills should be picked up with wet vac or absorbent material. Landfill or incinerate solids. 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 Nutra-Rinse off skin and clothing with water.

**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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