

MATERIAL SAFETY DATA SHEET**NFPA RATING:** Health = 0 Flammability = 0 Reactivity = 0**HMIS RATING:** Health = 0 Flammability = 0 Reactivity = 0**SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (0599D)****Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** NEUTRAL CLEANER**Address:** 302 North Fourth Street**Date Prepared:** September 20, 2000

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	none	none	N/A	---
Alcohol ethoxylate (nonionic surfactant)	68439-46-3	not established	not established	N/A	---
B-Alanine, N-(2-carboxyethyl)-N-[3-(decyloxy)propyl] monosodium salt (Amphoteric surfactant)	64972-19-6	not established	not established	N/A	---
Tetrasodium salt of EDTA	64-02-8	not established	not established	N/A	---
Sodium xylene sulfonate	1300-72-7	not established	not established	N/A	---

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**Boiling Point:** 214°F**Specific Gravity (H₂O = 1):** 25°C = 1.00 & 39°C = 1.00**Vapor Pressure (mm Hg.):** 17.6**Percent Volatile by Volume (%):** 96% max.**Vapor Density (AIR = 1):** 0.6**Evaporation Rate (ethyl ether = 1):** slower than 1**Solubility in Water:** complete**Appearance and Odor:** yellow liquid; floral odor**pH (concentrate) = 7.05** average**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):** None known**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. May cause eye irritation; not a skin or eye irritant per FHSA Method 16 CFR 1500; not acutely toxic (oral) to laboratory rats at 5 g/kg per upper limit testing. Acute inhalation - 1 hour. Toxic Limit Test - Average 23.4 mg/l = not toxic to rats.

2. Prolonged or repeated eye contact may produce redness and irritation.

SECTION VI – HEALTH HAZARD DATA cont.

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: Concentrate may be irritating to eye tissue if not removed promptly.

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures: In case of contact, immediately flush eyes with plenty of water; remove contact lenses and flush eyes again with water. Call a physician if irritation persists. Skin: Follow good hygiene practices and wash away with soap and water. Ingestion: Drink large quantity of water; do not induce vomiting; call physician.

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 down sewer with large quantity of water.

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: Spills of concentrate should be picked up with wet vac and rinsed thoroughly. 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): Not required

Ventilation:

Local Exhaust = Not required **Mechanical (General)** = N/A **Special** = N/A **Other** = N/A

Protective Gloves: None required **Eye Protection:** Safety goggles suggested where splashing of concentrate is a concern

Other Protective Clothing or Equipment: None required

Work / Hygienic Practices: Wash contaminated clothing before reuse.

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** = applicable; **Reactivity** = not applicable.

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