

**MATERIAL SAFETY DATA SHEET**

**NFPA RATING:** Health = 1, Flammability = 0, Reactivity = 0

**HMIS RATING:** Health = /,1, Flammability = 0, Reactivity = 0

**SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION (538N-97A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES **Product Name:** TOP CLEAN  
**Address:** 302 North Fourth Street **Date Prepared:** December 23, 2008 (VERSION 2)  
 St. Joseph, MO 64502 **Prepared by:** Regulatory Affairs Department

**Emergency Telephone No.:** CHEMTREC (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	68584-22-5	not est.	not est.	N.A.	---
Bouquet Fragrance	Trade Secret	not est.	not est.	N.A.	---

VOC (concentrate) = 0%; VOC (Min. Dilution) = 0%

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

**Boiling point:** 200°F

**Specific Gravity (H<sub>2</sub>O):** 25°F = 1.00; 39°F = 1.00

**Vapor Pressure (mm Hg.):** 17.5

**Percent Volatile by Volume (%):** 96.6%

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

**Evaporation Rate (Ethyl ether = 1):** slower than 1

**Solubility in Water:** Complete

**Appearance and odor:** Clear, yellow liquid, floral odor

**8pH (Conc.) =** 9 – 10

**\*pH (diluted 1:32) =** 7.5 – 8.5

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

**Flash point:** None. (T.C.C.)

**Flammable Limits:** LEL = N.A. UEL = N.A.

**Extinguishing Media:** Water, Carbon dioxide, Dry chemical or foam.

**Special Fire Fighting Procedures:** Normal fire fighting procedures may be used. Cool and cautiously approach or handle fire exposed containers.

**Unusual Fire and Explosion Hazards:** No special hazards known.

**SECTION V - PHYSICAL HAZARDS**

**Stability:** Stable **Conditions to Avoid:** N.A.

**Incompatibility (Materials to Avoid):** None known to Hillyard.

**Hazardous Decomposition Products or Byproducts:** When exposed to fire, produces normal products of combustion.

**Hazardous Polymerization:** Will not occur **Conditions to Avoid:** None known to Hillyard.

**SECTION VI - HEALTH HAZARD DATA**

**Routes of entry:** **Inhalation?** no **Skin?** yes **Ingestion?** no

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

1. According to Primary Skin Irritation Test (FHSA), product concentrate is not considered to be a primary irritant. Prolonged eye contact may produce eye irritation. Not a skin sensitizer. Not acutely oral toxic at 5 gm./kg. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours. Not acute toxic by inhalation at 216 mg/l.

2. None known to Hillyard.

**Chemical listed as Carcinogen or Potential Carcinogen:**

National Toxicology Program = No I.A.R.C. Monographs = No OSHA = No

### HEALTH HAZARDS DATA continued

**Signs and Symptoms of Exposure:** Concentrate irritating to the eye. Frequent or prolonged contact with eye may cause irritation.

**Medical Conditions Generally Aggravated by Exposure:**

None known to manufacturer.

**Emergency and First Aid Procedures:**

In case of contact immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

### SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Floors may become slippery with standing liquid. Rinse spill area with water after pick up with wet vac or mop.

**Waste Disposal Method:**

No special method. Observe all applicable Federal, State, and Local requirements regarding disposal of non-hazardous materials. Waste from normal product use may be sewer to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment requirements. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning.

**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.

**Other Precautions:**

Do not take internally. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning & Community Right to Know Act of 1986 and 40 CFR Part 372.

### SECTION VIII - CONTROL MEASURES

**Respiratory Protection (Specify Type):** N.A.

**Ventilation:** Not required with normal method of use.

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

**Protective Gloves:** None necessary when following label directions.

**Eye Protection:** None normally needed when following label directions.

**Other Protective Clothing or Equipment:** Not needed.

**Work / Hygienic Practices:** Wash thoroughly after handling.

### 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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