

**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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