

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** *(554N-22A)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** TOP CLEAN**Address:** 302 North Fourth Street**Date Prepared:** June 1, 2010 (version 4)

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	68131-39-5	N/E	N/E	N.A.	---
Bouquet Fragrance	Trade Secret	N/E	N/E	N.A.	---

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

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**Boiling point:** 200°F**Specific Gravity (H₂O):** 25°F = 1.00; **Density** 8.34 lb/gl**Vapor Pressure (mm Hg.):** 17.5***Percent Volatile by Weight (%):** 96 - 97%**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**pH (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:** Chemical splash goggles where there is a potential for eye contact.

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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