

HIL 00144

#144

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:** January 22, 2010 (VERSION 3)

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	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 (H₂O):** 25°F = 1.00; ***Density** 8.34 lb/gl**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***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: 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.

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.