

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 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	68584-22-5	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. Eye Irritation Test (FHSA) of sample = primary eye irritant. 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 sewered 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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