

**MATERIAL SAFETY DATA SHEET**

NFPA RATING: Health = 0 Flammability = 0 Reactivity = 0

HMIS RATING: Health = 0 Flammability = 0 Reactivity = 0

**SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION**

Manufacturer's Name: HILLYARD INDUSTRIES      Product Name: WINDO-CLEAN+ RTU (1:20)  
 Address: 302 North Fourth Street      Date Prepared: September 25, 2011 (version 2)  
           St. Joseph, MO 64501      Prepared by: Regulatory Affairs Department  
 Emergency Telephone No.: (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. 2303)

**\*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	---
*Butyl cellosolve (2-Butoxyethanol) * (1)	111-76-2	50 ppm	20 ppm	N/A	<1
Ammonium Myristyl Ether Sulfate	27731-61-9	N/E	N/E	N/A	<0.25

\*This product contains the following chemical subject to the reporting requirements of SARA Title III, Sec. 313, and 40 CFR Part 372: 2-Butoxyethanol.

(1) Regulated by OSHA and the following states: CA, FL, ID, IL, MA, MN, OH, PA, TX, WA, WI.

VOC = 1.43%

N/A= Not Applicable    N/E= Not Established

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

Boiling Point: 196°F      Specific Gravity (H<sub>2</sub>O = 1): 25°C = 0.99    \*Density = 8.24 lbs/gl.  
 Vapor Pressure (mm Hg.): 17.5      Percent Volatile by Weight (%): >99%  
 Vapor Density (AIR = 1): 0.66      Evaporation Rate (ethyl ether = 1): slower than 1  
 Solubility in Water: Complete      Appearance and Odor: Clear, light purple liquid; solvent odor  
 pH (concentrate) = 6.5 - 7.5

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

Flash point: none (T.C.C.) minimum      Flammable Limits: LEL = 1.1% UEL = N/A (mixture)  
 Extinguishing Media: Alcohol foam, dry chemical, carbon dioxide.  
 Special Fire Fighting Procedures: Water spray may be ineffective, but may be used to cool closed containers.  
 Unusual Fire and Explosion Hazards: None known to manufacturer.

**SECTION V -- PHYSICAL HAZARDS**

Stability: Stable      Conditions to Avoid: Heat, sparks and open flame  
 Incompatibility (Materials to Avoid): Strong oxidizing materials.  
 Hazardous Decomposition Products or Byproducts: As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.  
 Hazardous Polymerization: Will not occur      Conditions to Avoid: None known

**SECTION VI -- HEALTH HAZARD DATA**

Routes of entry: Inhalation? Yes      Skin? Yes      Ingestion? Yes

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

1. When tested not a primary skin nor eye irritant. Acute toxicity is greater than 5 gm./kg. Not acutely toxic when administered at a nominal concentration of 83.1 mg./L. (actual concentration of 26.1 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

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.

**SECTION VI -- HEALTH HAZARD DATA continued**

**Signs and Symptoms of Exposure:** Extreme overexposure may cause drowsiness, headache and uncoordination.

**Medical Conditions Generally Aggravated by Exposure:** None known by manufacturer.

**Emergency and First Aid Procedures:** Eye and skin contact: Flush with plenty of water for 15 minutes.

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

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb large spills with floor dry material. Small spills: Flush with water and pick up with mop.

**Waste Disposal Method:** Dispose of in accordance with state and local regulations. Do not dispose of in storm drains or streams.

**Precautions To Be Taken In Handling And Storing:** Keep container closed when not in use. Since empty packages retain product residue, follow label warnings even after packages is empty.

**Other Precautions:** Do not take internally.

**SECTION VIII -- CONTROL MEASURES:**

**Respiratory Protection (Specify Type): Ventilation:** Recommend at least 5 CFM

**Local Exhaust =** N/A      **Mechanical (General) =** Recommended      **Special =** N/A      **Other =** N/A  
**Protective Gloves:** N/A      **Eye Protection:** N/A

**Other Protective Clothing or Equipment:** N/A

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

**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.**

Version 2, \* Denotes revisions since last published MSDS. Supersedes Version 1 September 6, 1996