

## 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 (Ready To Use)

**Manufacturer's Name:** HILLYARD INDUSTRIES **Product Name:** WINDO-CLEAN+  
**Address:** 302 North Fourth Street **Date Prepared:** September 6, 1996  
 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. 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	---
Sulfated ethoxylated alcohol	27731-61-9	not established	not established	N/A	---

## SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

**Boiling Point:** 209°F **Specific Gravity (H<sub>2</sub>O = 1):** 25°C = 0.998 & 39°C = 1.00  
**Vapor Pressure (mm Hg.):** 17.5 **Percent Volatile by Volume (%):** 99.8  
**Vapor Density (AIR = 1):** 0.6 **Evaporation Rate (ethyl ether = 1):** slower than 1  
**Solubility in Water:** complete **Appearance and Odor:** clear, violet liquid; mild solvent odor  
**pH (1:20 dilution with D.I. water) =** 7.6

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**Flash point:** none to 200°F (T.C.C.) **Flammable Limits:** LEL = N/A 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? no Skin? no Ingestion? no

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

- When tested according to Federal Hazardous Substance Act product was not a primary skin or eye irritant. Also test on the concentrate showed that acute oral LD50 was not acutely toxic at 8.0 g./kg. Inhalation testing showed the LC50 nominal concentration to be 15.5 mg./l. (actual concentration 12.5 mg./l.). Inhalation of fine fog mist can cause irritation of mucous membranes. Fine fog mist application is not recommended.
- None known to concentrate manufacturer.

**SECTION VI – HEALTH HAZARD DATA continued**

**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%.

**Signs and Symptoms of Exposure:** None known.

**Medical Conditions Generally Aggravated by Exposure:** None known by manufacturer on 1:20 diluted material.

**Emergency and First Aid Procedures:** In case of contact, flush eyes or skin 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 contaminated absorbent, container, and unused contents 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 lid on containers.

**Other Precautions:** Avoid breathing of vapors or fine fog mist. Use with adequate ventilation. Do not get in eyes, on skin or on clothing. Do not take internally. This diluted 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):** None normally required for 1:20 diluted product.

**Ventilation:** No special air handling needed with 1:20 diluted material in normal use.

**Local Exhaust = N/A Mechanical (General) = Recommended Special = N/A Other = N/A**

**Protective Gloves:** none required with normal use **Eye Protection:** none required with normal use

**Other Protective Clothing or Equipment:** Not usually necessary.

**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.**

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