

MATERIAL SAFETY DATA SHEET

*NFPA RATING: Health = 0 *Flammability = 2 Reactivity = 0

*HMIS RATING: Health = 0 *Flammability = 2 Reactivity = 0

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (545N-39A)**Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** HERBAL ODOR COUNTERACTANT**Address:** 302 North Fourth Street**Date Prepared:** March 14, 2012 (version 3)

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	%
Isopropyl alcohol ⁽¹⁾ (not strong acid process)	67-63-0	400 ppm	400 ppm	N/A	2-6
Water	7732-18-5	N/A	N/A	N/A	---
Secondary Alcohol C ₁₂ -C ₁₄ Ethoxylate	84133-50-6	N/A	N/A	N/A	---
Herbal fragrance	mixture unknown to Hillyard	N/A	N/A	N/A	---

⁽¹⁾Regulated by OSHA, CT, FL, ID, IL, LA, ME, MA, MN, NJ, PA, RI, WA

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

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 194°F	Specific Gravity (H₂O = 1): 25°C = 0.992	Density= 8.26
Vapor Pressure (mm Hg.): 17.9	Percent Volatile by Volume (%): average 97.2	
Vapor Density (AIR = 1): 0.7	Evaporation Rate (ethyl ether = 1): slower than 1	
Solubility in Water : appreciable	Appearance and Odor: light green liquid; herbal odor	
pH (concentrate) = 6 – 8		

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA**Flash point:** 110°F (Tag Closed Cup) **Flammable Limits:** LEL = 1.1% UEL = N/A (mixture)**Extinguishing Media:** Water spray, carbon dioxide, dry foam**Special Fire Fighting Procedures:** Respiratory protection required for fire fighting personnel. Use water spray to cool fire-exposed surfaces and to protect personnel.**Unusual Fire and Explosion Hazards:** None known to Hillyard Industries**SECTION V -- PHYSICAL HAZARDS****Stability:** Stable **Conditions to Avoid:** Keep away from heat or open flame**Incompatibility (Materials to Avoid):** Strong oxidizing material and acids**Hazardous Decomposition Products or Byproducts:** None known to Hillyard Industries**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)**

1. None known to manufacturer; not an eye or skin irritant per FHSA Method 16 CFR 1500. Conc. product did induce mild irritation in all test animals. Not acutely toxic (oral) to laboratory rats at 5 g/kg per upper limit testing. Acute inhalation - 1 Hour Toxic Limit Test = Average 18.1 mg/l. = not toxic.

2. Prolonged or repeated eye contact may produce redness and mild irritation.

SECTION VI -- HEALTH HAZARD DATA cont.**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 to Hillyard Industries.**Medical Conditions Generally Aggravated by Exposure:** None known to Hillyard Industries.**Emergency and First Aid Procedures:** Eyes: Immediately flush with plenty of water. If irritation persists call physician.**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. Since product is an aqueous solution containing less than 24% alcohol and with a pH of less than 12.5 and greater than 2, it would not be considered a federal hazardous waste per EPA regulations (40 CFR 261).**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 package is empty.**Other Precautions:** Do not dispose of in storm drains or streams. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.**SECTION VIII -- CONTROL MEASURES****Respiratory Protection (Specify Type):** Ventilate to keep air below TLV. For fogging use appropriate NIOSH or MSHA approved respirator.**Ventilation:** Recommend at least 5 CFM**Local Exhaust = N/A Mechanical (General) = Recommended Special = N/A Other = N/A****Protective Gloves:** None required **Eye Protection:** Goggles suggested when working with concentrate**Other Protective Clothing or Equipment:** None required**Work / Hygienic Practices:** Wash thoroughly after handling. Do not spray on food or foodstuffs.**SECTION IX - TRANSPORTATION INFORMATION****Applicable regulations:** CFR = no, IMCO = yes, IATA = yes**Proper shipping name for air and foreign water:** Flammable liquid, n.o.s. (Isopropyl alcohol), 3,UN1993, III**Proper shipping name for U.S. Highway:** Cleaning compound**UN No.:** not applicable for highway **Limited Qty.:** not applicable **Hazard class:** not applicable for highway**Labels required:** not required for highway **DOT Exception:** not applicable**EPA 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.**

Version 3, * Denotes revisions since last published MSDS. Supersedes Version 2 May 12, 2009