

# 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 (540N-9A)

**Manufacturer's Name:** HILLYARD INDUSTRIES

**Product Name:** PRE-GAME

**Address:** 302 North Fourth Street

**Date Prepared:** November 25, 2008 (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	%
Propylene Glycol Monomethyl Ether(1)	107-98-2	100 ppm	100 ppm	STEL=150 ppm	1-5
Dipropylene Glycol Methyl Ether	34590-94-8	Not established	Not established	N/A	1-5
Water	7732-18-5	none	none	N/A	---

(1)Regulated by OSHA and the following states: CA, FL, IL, OH, TX

VOC (Concentrate) = 5%; Diluted VOS = 1%

## SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

**Boiling Point:** 200°F

**Specific Gravity (H2O = 1):** 25°C = 0.99 & 39°C = 0.99

**Vapor Pressure (mm Hg.):** 17.4

**Percent Volatile by Volume (%):** 99.1

**Vapor Density (AIR = 1):** 0.8

**Evaporation Rate (ethyl ether = 1):** slower than 1

**Solubility in Water :** complete

**Appearance and Odor:** clear, light blue liquid; non-objectionable odor

**pH (concentrate) =** 6.9

## SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

**Flash point:** None to boiling 200°F (T.C.C.) **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. The product was not a primary skin irritant. The concentrate may cause eye irritation. 2. None known to Hillyard Industries.

## 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:** Overexposure may cause drowsiness, headache and uncoordination.

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

**Emergency and First Aid Procedures:** In case of contact with eyes or skin, flush with plenty of water for 15 minutes; if eye irritation persists, get medical attention. If swallowed, call a physician, hospital emergency room or poison control center immediately; induce vomiting.

## 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.

**Precautions To Be Taken In Handling And Storing:** Since empty packages retain product residue, follow label warnings even after packages is empty. Notice: Saw dust from freshly sanded floors or dust from wood floors that have been abraded between coats will spontaneously catch fire if improperly discarded. Immediately after abrading or sanding wood floors, place dust waste in a sealed, water-filled metal container and immediately remove from building. Notice: Rags or applicators soaked in a combustible liquid will spontaneously catch fire if improperly discarded. Immediately after using rags or applicators soaked in a combustible liquid, place waste in a sealed, water-filled metal container and immediately remove from building.

**Other Precautions:** Avoid breathing vapors or spray mist. Open windows and doors, use exhaust fans or other means to **ensure fresh air entry during application and drying**. Refer to OSHA Standard 29 CFR 1910.84 for technical guidelines on keeping air contamination below applicable exposure limits. Wash thoroughly after handling. Do not take internally. Keep container closed when not in use. 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. A NIOSH approved respirator for organic vapor should be worn if needed to keep level below TLV.

**Ventilation:** Recommend at least 5 CFM

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

**Protective Gloves:** none required with normal use **Eye Protection:** Splash goggles where splashing is a concern.

**Other Protective Clothing or Equipment:** use uniforms or coveralls.

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

## SECTION IX - TRANSPORTATION INFORMATION:

**Applicable regulations:** no 49 CFR; no, IMCO; no, IATA.

**Proper shipping name for air and foreign water:** Cleaning Compound

**Proper shipping name for U.S. highway:** Cleaning Compound

**UN No.:** not applicable for highway **Limited Qty.:** not applicable **Hazard Class =** not applicable

**Labels required:** not required for highway **DOT Exception:** not applicable

**EPA Hazardous waste characteristics:**

**Ignitability =** not applicable; **Corrosivity =** not applicable; **Reactivity =** not applicable.

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