

**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 (526N-55A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES

**Product Name:** ONE PLUS

**Address:** 302 North Fourth Street

**Date Prepared:** January 21, 2010 (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. 8285)

**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	---
Acrylic copolymer emulsion*	unknown to Hillyard *	not established	not established	N/A	---
Tributoxyethyl Phosphate **	78-51-3	not established	not established	N/A	1-3
Diethylene glycol monoethyl ether **	111-90-0	not established	not established	N/A	less than 5

\*EPA TSCA Chemical Inventory -- all ingredients listed.

\*\*This product contains the following chemicals subject to the reporting requirements of SARA Title III, Section 313, and 40 CFR Part 372: Diethylene glycol monoethyl ether and Tributoxyethyl Phosphate

**\*SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

**Boiling Point:** corr. >200°F **Specific Gravity (H<sub>2</sub>O = 1): 25°C =** 1.027 **\*Density** 8.55 lb/gl

**Vapor Pressure (mm Hg.):** 18.3 **\*Percent Volatile by Volume (%):** 81 – 83

**Vapor Density (AIR = 1):** 1.02 **Evaporation Rate (ethyl ether = 1):** slower than 1

**Solubility in Water:** dispersible **Appearance and Odor:** non-objectionable odor

**\*pH (concentrate) =** 7.2 – 8.2

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

**Flash point:** none (Tag Closed Cup) **Flammable Limits:** LEL = N/A UEL = N/A

**Extinguishing Media:** N/A

**Special Fire Fighting Procedures:** None

**Unusual Fire and Explosion Hazards:** Material may spatter if temperature exceeds boiling point. Polymer film can burn.

**SECTION V – PHYSICAL HAZARDS**

**Stability:** Stable **Conditions to Avoid:** N/A

**Incompatibility (Materials to Avoid):** None known to Hillyard Industries

**Hazardous Decomposition Products or Byproducts:** None known to Hillyard Industries

**Hazardous Polymerization:** Will not occur **Conditions to Avoid:** N/A

**SECTION VI – HEALTH HAZARD DATA**

**Routes of entry:** Inhalation? yes Skin? yes Ingestion? yes

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

1. Prolonged inhalation of mist may cause slight irritation of nose, throat, and lungs. Ingesting may cause irritation of the digestive tract. 2. None known to Hillyard.

## 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:** Swallowing, breathing or absorbing may cause nausea.

**Medical Conditions Generally Aggravated by Exposure:** None known to Hillyard.

**Emergency and First Aid Procedures:** If swallowed, induce vomiting immediately. Immediately consult medical personnel. If inhaled move to fresh air. If discomfort persists, get medical attention.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:** If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container and unused contents in accordance with federal, state and local regulations. Ventilate area of spill or leak. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

**Waste Disposal Method:** Spills should be picked up with wet vac or absorbent material. Dispose of liquid per federal, state and local regulations. Waste from normal product use may be sewerer to a public-owned treatment works (POTW) in compliance with applicable federal, state and local requirements.

**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 temperatures.

**Other Precautions:** Close container after each use. Do not take internally. Keep out of reach of children.

## SECTION VIII – CONTROL MEASURES

**Respiratory Protection (Specify Type):** Not needed when following label directions.

**Ventilation:** Follow good engineering practices for public areas.

**Local Exhaust =** not required      **Mechanical (General) =** suggested      **Special =** N/A      **Other =** N/A

**Protective Gloves:** None required for brief contact.

**Eye Protection:** Normally not needed; contact may cause slight pain even though it is unlikely to cause injury.

**Other Protective Clothing or Equipment:** None required for brief contact.

**Work / Hygienic Practices:** Do not take internally; wash contaminated clothing before reuse.

## SECTION IX – TRANSPORTATION INFORMATION

**Applicable regulations:** 49 CFR = no; IMCO = no; IATA = no

**Proper shipping name:** Liquid Floor Wax & Polish

**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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