

H11006

#110

**MATERIAL SAFETY DATA SHEET**

**NFPA RATING:** Health = 2 Flammability = 1 Reactivity = 0  
**HMIS RATING:** Health = 2 Flammability = 1 Reactivity = 1

**SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION (515N-26A)****Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** SUPROX CONCENTRATE**Address:** 302 North Fourth Street**Date Prepared:** July 17, 2006

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. 3285)<http://www.hillyard.com>**SECTION II - INGREDIENTS/IDENTITY INFORMATION****Components****(Specific Chemical) Identity:**

Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Hydrogen Peroxide	7722-84-1	1.4 mg/m <sup>3</sup>	1.4 mg/m <sup>3</sup>	N.A.	5 - 8%
Water	7732-18-5	none	none	N.A.	---
Complex Surfactant Blend	68991-48-0 & 68439-46-3	not established	not established	N.A.	---

VOC (Concentrate) = 0.40%; VOC (min. dilution 1:10) = 0.04%

**SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	217°F	<b>Specific Gravity (H<sub>2</sub>O = 1): 25°C =</b>	1.02	<b>&amp; 39°C =</b>	1.02
<b>Vapor Pressure (mm Hg.):</b>	17.6	<b>Percent Volatile by Volume (%):</b>	94.6%		
<b>Vapor Density (AIR = 1):</b>	0.65	<b>Evaporation Rate (ethyl ether = 1):</b>	Slower than 1		
<b>Solubility in Water:</b>	complete	<b>Appearance and Odor:</b>	Clear, colorless liquid, Citrus odor		
<b>pH (concentrate) =</b>	4-5				

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA****Flash point:** >145°F corrected (T.C.C.) **Flammable Limits:** LEL = Not determined UEL = Not determined**Extinguishing Media:** Do NOT use CO<sub>2</sub> extinguisher on this material; use only water spray or appropriate foam. Do not use organic compounds on this material.**Special Fire Fighting Procedures:** As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.**Unusual Fire and Explosion Hazards:** Release of oxygen may support combustion. Contact with incompatible materials (e.g. metals, alkalis, and strong reducing agents) may cause hazardous decomposition resulting in the release of heat, steam, and oxygen. Exposure to heat may cause hazardous decomposition. Hydrogen peroxide may spontaneously decompose above 150°C. Do not mix with kerosene or gasoline.**SECTION V - PHYSICAL HAZARDS****Stability:** Stable **Conditions to Avoid:** Heat and flame.**Incompatibility (Materials to Avoid):** Metals, Reducing agents, Alkalis, Combustible materials, Organic materials, Salt of heavy metals, Impurities.**Hazardous Decomposition Products or Byproducts:** Oxygen, oxides of carbon and steam.**Hazardous Polymerization:** Will not occur **Conditions to Avoid:** None known to Manufacturer**SECTION VI - HEALTH HAZARD DATA****Routes of entry:** Inhalation? yes Skin? yes Ingestion? LD50 greater than 5 g/kg**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. Contact with concentrate may cause eye burns and prolonged skin contact with concentrate may cause slight skin irritation. Ingestion can cause nausea, vomiting and gastrointestinal irritation. Prolonged inhalation may cause respiratory irritation. Acute oral toxicity of concentrate per EPA method = >5000 mg./kg. Acute dermal irritation = Non-irritating. Toxicity Category IV per EPA Method. Tests show the product is not a skin sensitizer. Acute inhalation toxicity = LC50>2.13 mg./liter.

2. None known to Hillyard Industries when used according to label directions.