

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 (527N-27A)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: SUPROX READY-TO-USE

Address: 302 North Fourth Street

Date Prepared: February 21, 2005

St. Joseph, MO 64501

Prepared by: Regulatory Affairs Department

Emergency Telephone (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	%
Hydrogen Peroxide	7722-84-1	1.4 kg./m ³	1.4 kg./m ³	N.A.	<5%
Water	7732-18-5	none	none	N.A.	---

VOC (Ready to use) = 0.01%

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 739 mm Hg 221°F **Specific Gravity (H₂O = 1):** 25°C = 1.01 & 39°C = 1.01

Vapor Pressure (mm Hg.): 17.6 **Percent Volatile by Volume (%):** 98.76%

Vapor Density (AIR = 1): 0.62 **Evaporation Rate (ethyl ether = 1):** Slower than 1

Solubility in Water: complete **Appearance and Odor:** Hazy, viscous liquid, fresh & clean fragrance

pH (concentrate) = 3-4

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None to 200°F corr. (T.C.C.) **Flammable Limits:** LEL = Not established UEL = N.A.

Extinguishing Media: Do NOT use CO₂ 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: Contact with combustible materials may cause a fire. Release of oxygen may support combustion. Contact with incompatible materials (e.g. metals, alkalis, and strong reducing agents) will cause hazardous decomposition resulting in the release of large quantities 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 may cause eye and skin irritation. Ingestion can cause nausea, vomiting and gastrointestinal irritation. Prolonged inhalation may cause respiratory irritation.

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

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: May cause irritation to skin and eyes. Inhalation of fine mist or aerosols can lead to irritation and inflammation of the respiratory tract. Symptoms may occur with delay. Ingestion may cause the rapid release of oxygen thus causing distension, especially in the event of greater intakes.

Medical Conditions Generally Aggravated by Exposure: No data is available that addresses medical conditions generally recognized as being aggravated by exposure to this product.

Emergency and First Aid Procedures: If swallowed, do not induce vomiting. Seek immediate medical attention. Eye and Skin Contact: Flush eyes and skin with plenty of water for 15 minutes; apply water gently and do not rub area. If irritation persists, get medical attention. If excess inhaled, remove to fresh air; if breathing is difficult seek medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Small spills should be flushed with water and picked up with mop. Hydrogen peroxide quickly decomposes to oxygen and water.

Waste Disposal Method: Dispose of in accordance with state or local regulations.

Precautions To Be Taken In Handling And Storing: Do not get in eyes, on skin, or clothing. Do not ingest. 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 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type): Not normally required with adequate ventilation.

Ventilation:

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

Protective Gloves: Impervious gloves (neoprene or rubber) suggested. **Eye Protection:** Splash goggles recommended.

Other Protective Clothing or Equipment: Avoid prolonged contact.

Work / Hygienic Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling; wash clothing before reuse. Completely submerge contaminated clothing or other materials in water prior to drying.

SECTION IX - TRANSPORTATION INFORMATION

APPLICABLE REGULATIONS: 49CFR = No; IMCO = No; IATA = No

DOT SHIPPING DESCRIPTION ON BILL OF LADING:

Proper shipping name (quarts and gallons): Not regulated

Package Label = NA Hazard Class = NA Package Group = NA

Ignitability = No; Corrosivity = No; Reactivity = not applicable

DISCLAIMER OF WARRANTIES

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