

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 (#0771J)

Manufacturer's Name: HILLYARD INDUSTRIES **Product Name:** SUPER SHINE-ALL
Address: 302 North Fourth Street **Date Prepared:** May 19, 2010 (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	%
Water	7732-18-5	none	none	N.A.	---
Tall oil, Potassium salt	68647-71-2	not established	not established	N.A.	---
Ammonium parath sulfate	67762-19-0	not established	not established	N.A.	---
Fatty Acids, Tall Oil, Triethanolamine salts	67784-78-5	not established	not established	N.A.	---
Fragrance	Unknown	not established	not established	N.A.	---

(1) Regulated in FL., MA., PA., RI.

***SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS**

Boiling Point: 743mmHg 205°F **Specific Gravity (H₂O = 1): 25°C =** 1.00 ***Density =** 8.33 lb/gl.
Vapor Pressure (mm Hg.): 17.6 ***Percent Volatile by Weight (%):** 86.5 - 87.5%
Vapor Density (AIR = 1): 0.6 **Evaporation Rate (ethyl ether = 1):** Slower than 1
Solubility in Water: Complete **Appearance and Odor:** light amber liquid, Sassafras odor
***pH (concentrate) =** 9.0-10 **pH (diluted 1:128) =** 8 - 9

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None (T.C.C.) **Flammable Limits:** LEL = N.A. UEL = N.A.
Extinguishing Media: Water
Special Fire Fighting Procedures: None.
Unusual Fire and Explosion Hazards: None known to Hillyard Industries.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N.A.
Incompatibility (Materials to Avoid): None of which we have knowledge.
Hazardous Decomposition Products or Byproducts: As with any organic materials, combustion will produce carbon dioxide and probably carbon monoxide.
Hazardous Polymerization: Will not occur **Conditions to Avoid:** None known to Hillyard Ind.

SECTION VI -- HEALTH HAZARD DATA

Routes of entry: Inhalation? No Skin? No Ingestion? No

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Primary Irritation test on the concentrate per the Federal Hazardous Substance Act showed the concentrated product was a primary skin irritant and an eye irritant.
2. None known to manufacturer.

SECTION VI -- HEALTH HAZARD DATA (continued)

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.

Medical Conditions Generally Aggravated by Exposure: Open cuts and sores may be irritated by contact.

Emergency and First Aid Procedures: In case of contact with eyes or skin, flush with plenty of water for 15 minutes. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse. If swallowed give water; may cause diarrhea; call physician

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Rinse area with water and pick up with wet vac or mop.

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

Precautions To Be Taken In Handling And Storing: Not applicable.

Other Precautions: Do not dispose of in storm drains or streams.

***SECTION VIII -- CONTROL MEASURES**

Respiratory Protection (Specify Type): Not normally required.

Ventilation:

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

***Protective Gloves:** Rubber or other impervious gloves **Eye Protection:** Splash goggles where eye contact is likely.

Other Protective Clothing or Equipment: Not normally required.

Work / Hygienic Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling; wash clothing before reuse.

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: DOT = no; IMCO = no; IATA = no

Proper shipping name: Cleaning compound

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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