

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 (#0670A)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: SUPER SHINE-ALL

Address: 302 North Fourth Street

Date Prepared: May 6, 1994

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. 2303)

SECTION II – INGREDIENTS/IDENTITY INFORMATION

Components (Specific Chemical Identity: Common Name(s))	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Safrole*(1)	94-59-7	not established	not established	N.A.	0.05- 0.6
Water	7732-18-5	none	none	N.A.	---
Tall oil soap, potassium	61790-44-1	not established	not established	N.A.	---
Ammonium parath sulfate	67762-19-0	not established	not established	N.A.	---
Triethanolamine(2)	102-71-6	not established	5 mg/m ³	N.A.	---

(1) Regulated in CA., CT., FL., IL., LA., MA., NJ., NY., PA., and RI.

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

* This product contains the following chemical subject to the reporting requirements of EPA - SARA Title III, Section 313, and 40 CFR Part 372: Safrole.

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 743mmHg 205°F

Specific Gravity (H₂O = 1): 25°C = 1.00 & 39°C = 1.00

Vapor Pressure (mm Hg.): 17.6

Percent Volatile by Volume (%): 87%

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) = 9.0-9.3

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

SECTION VI -- HEALTH HAZARD DATA (continued)

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. Per testing in experimental laboratory animals, the perfume, when ingested (taken internally) regularly in their diet, has been found to be carcinogenic. A toxicology report can be obtained upon request.

Chemical listed as Carcinogen or Potential Carcinogen:

National Toxicology Program = Yes * I.A.R.C. Monographs = No OSHA = No

*Safrole perfume.

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.

Protective Gloves: None required with normal use. **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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