

A80806

#808

**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:** ARSENAL SUPER SHINE-ALL**Address:** 302 North Fourth Street**Date Prepared:** December 22, 2008(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)<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 soap, potassium	61790-44-1	not established	not established	N.A.	---
Ammonium parath sulfate	67762-19-0	not established	not established	N.A.	---
Triethanolamine(1)	102-71-6	not established	5 mg/m <sup>3</sup>	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 (H<sub>2</sub>O = 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 **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:** 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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