

**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 (0673A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES

**Product Name:** BRITEN-ZIT

**Address:** 302 North Fourth Street  
St. Joseph, MO 64501

**Date Prepared:** May 6, 1994

**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	N/A	N/A	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	not established	N/A	---

(1) Regulated in the following states: FL, MA, PA, RI.

**SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

**Boiling Point:** 743 mmHg 205°F **Specific Gravity (H<sub>2</sub>O = 1):** 25°C = 1.00 & 39°C = 1.00

**Vapor Pressure (mm Hg.):** 17.5 **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 to brown 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 by manufacturer

**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 is expected to produce primary skin irritation and eye irritation.
2. None known to Hillyard Industries.

**Chemical listed as Carcinogen or Potential Carcinogen:**

National Toxicology Program = No I.A.R.C. Monograms = No OSHA = No

This product has no carcinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater of 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:** N/A

**Other Precautions:** 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 of 40 CFR Part 372.

**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

**DISCLAIMER OF WARRANTIES**

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