

**MATERIAL SAFETY DATA SHEET****NFPA RATING:** Health = 0 Flammability = 0 Reactivity = 0**HMIS RATING:** Health = 0 Flammability = 0 Reactivity = 0**SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (RDZ-91A)****Manufacturer's Name:** HILLYARD INDUSTRIES**Product Name:** HILLYARD FOAMING ANTI-MICROBIAL SOAP**Address:** 302 North Fourth Street**Date Prepared:** May 13, 2009 (version 1)

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:**

<b>Common Name(s)</b>	<b>CAS#</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>OTHER LIMITS RECOMMENDED</b>	<b>%</b>
Triclosan	3380-34-5	N/A	N/A	N/A	<1%
Water	7732-18-5	N/A	N/A	N/A	---

**SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b>	212°F	<b>Specific Gravity (H<sub>2</sub>O = 1): 25°C =</b>	1.01	<b>Density:</b>	8.41
<b>Vapor Pressure (mm Hg.):</b>	N.E.	<b>Percent Volatile by Volume (%):</b>	N.E.		
<b>Vapor Density (AIR = 1):</b>	N.E.	<b>Evaporation Rate (ethyl ether = 1):</b>	N.E.		
<b>Solubility in Water:</b>	complete	<b>Appearance and Odor:</b>	Clear, orange liquid, pleasant odor		
<b>pH (concentrate) =</b>	6-7				

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>Flash point:</b>	N/A	<b>Flammable Limits:</b> LEL =	N/A	UEL =	N/A
<b>Extinguishing Media:</b>	As appropriate for the surrounding fire.				
<b>Special Fire Fighting Procedures:</b>	As appropriate for the surrounding fire.				
<b>Unusual Fire and Explosion Hazards:</b>	None.				

**SECTION V – PHYSICAL HAZARDS**

<b>Stability:</b>	Stable	<b>Conditions to Avoid:</b>	None known
<b>Incompatibility (Materials to Avoid):</b>	None known		
<b>Hazardous Decomposition Products or Byproducts:</b>	None known		
<b>Hazardous Polymerization:</b>	Will not occur		

**SECTION VI – HEALTH HAZARD DATA****Routes of entry:** Inhalation? yes Skin? no Ingestion? yes**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. May cause mild eye irritation with prolonged exposure. May be harmful if swallowed.
2. None known to Hillyard Industries when used according to label directions.

**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:** If in eyes, burning sensation, watering or redness may occur. If swallowed, possible gastrointestinal irritation or disturbance may occur.**Medical Conditions Generally Aggravated by Exposure:** None known**Emergency and First Aid Procedures:** If in eyes, flush with water for 15 minutes. If swallowed and patient is conscious and alert, dilute by drinking large quantities of water; induce vomiting and get medical attention. Never give anything by mouth to an unconscious person. Always seek medical attention when product is swallowed or when symptoms are significant or persist.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:** Small spills (less than 1 gallon), may be washed down a drain or cleaned up and disposed of into a sanitary sewer system. Large spills (more than 1 gallon) should be contained and collected by absorption or vacuuming, then disposed of properly.

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

**Precautions To Be Taken In Handling And Storing:** Keep container closed when not in use. Do not contaminate water, food or feed. Do not reuse empty containers.

**Other Precautions:** KEEP OUT OF REACH OF CHILDREN.

## SECTION VIII – CONTROL MEASURES

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

### Ventilation:

**Local Exhaust =** Not normally needed      **Mechanical (General) =** Normally Sufficient      **Special =** n/a      **Other =** n/a

**Protective Gloves:** None needed. **Eye Protection:** None needed, avoid putting product into eyes while washing hands.

**Other Protective Clothing or Equipment:** Avoid prolonged contact. Wear clothing to prevent contact with concentrate if necessary. Eye wash, safety shower to be available when working with concentrate.

**Work / Hygienic Practices:** Avoid contact with eyes and clothing. May be harmful if swallowed. Protect food and drink from contamination by product.

## SECTION IX – TRANSPORTATION INFORMATION

**Applicable regulations:** 49 CFR = no; IMCO = no; IATA = no

**Proper shipping name:** Cleaning compound, NOI, NMFC, 48580, Class 55

**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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