

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 (diluted 1:256)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: ARSENAL TOP CLEAN RTU

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

Date Prepared: August 23, 1996

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	---
B-Alanine, N-(2-carboxyethyl)-N-[3-(decyloxy)propyl] monosodium salt (Amphoteric surfactant)	64972-19-6	not established	not established	N/A	---
Linear primary alcohol ethoxylate (nonionic surfactant)	68439-46-3	not established	not established	N/A	---

VOS = 0.001 lbs./gallon

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 207°F	Specific Gravity (H₂O = 1): 25°C = 1.00 & 39°C = 1.00
Vapor Pressure (mm Hg.): 17.5	Percent Volatile by Volume (%): 99.93 %
Vapor Density (AIR = 1): 0.6	Evaporation Rate (ethyl ether = 1): slower than 1
Solubility in Water: complete	Appearance and Odor: Clear, blue liquid; fresh & clean odor
pH (concentrate) = 7 (diluted 1:256 with water)	

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: None to boiling (Tag Closed Cup) **Flammable Limits:** LEL = N/A UEL = N/A

Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray

Special Fire Fighting Procedures: None known to manufacturer

Unusual Fire and Explosion Hazards: None known to manufacturer

SECTION V – PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** None known to manufacturer

Incompatibility (Materials to Avoid): None known to manufacturer.

Hazardous Decomposition Products or Byproducts: None known to manufacturer.

Hazardous Polymerization: Will not occur **Conditions to Avoid:** N/A

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes Skin? Yes Ingestion? Yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Not expected to be a skin nor an eye irritant when tested per the Federal Hazardous Substance Act. Fine fog mist application is not recommended.

2. None known to manufacturer.

