#801

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health == Flammability = 0 Reactivity = HMIS RATING: Hozith = / 2 Flammability = 0 Resotivity = 0

SECTION 1 -- IDENTITY AND MANUFACTURER'S INFORMATION (1070A)

Manufacturer's Name: HILLYARD INDUSTRIES

Address:

Froduct Name: ARSENAL ASSURANCE HD SPRAY &

302 North Fourth Street WIPE CLEANER Sr. Joseph, MO 64501

Date Prepared: October 2, 2006

Prepared by: Regulatory Affairs Department

Emergency Telephone No.: (800)-424-9300 (Only in the event of chemical emergency tavolving a spill, leak, fire, Other information calls: (816)233-1321(Ext. 8285) exposure or accident involving chemicals.)

SECTION II - INGREDIENTS/IDENTITY INFORMATION

Components		OSHA	AÇGIH	OTHER LIMITS	
(Specific Chemical Identity:	CAS#	PEL	TLV	RECOMMENDED	/
Common Name(s)					••
Sodium Metasilicate (1)	6834-92-0	not catablished	not established	2 mg/m³	5-10
Water	7732-18-5	none	none	N/A	
Akyl imino seid, sodium salt	64972-19-6	not established	not established	N/A	***
Complex blend of surfactants	Unknown to	not established	not established	N/A	

 Exposure may be evaluated as ceiling for Sodium hydroxide per OSHA: PEL = 2 mg/m³ or TLV = 2 mg/m³. VOS = 0.0 lbs./gallon

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Specific Gravity (H₂0 = 1): 25°C = Boiling Point: 212°F & 39°C ≠ 1.1 Vapor Pressure (mm Hg.): 17.7

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: Clear, orange liquid; citrus odor

pH (concentrate) = 13.0

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Fiaremeble Limits: LEL = N/A UEL = None to boiling (Tag Closed Cup) Flash point: 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): Avoid strong oxidizing agents. Do not use with aluminum equipment at temperatures above 120°F.

Hazardous Decomposition Products or Byproducts: None known to manufacturer. Conditions to Avoid: N/A

Hazardous Polymerization: Will not occur

SECTION VI -- HEALTH HAZARD DATA

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

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. According to Primary Skin Irritation Test (FHSA), product concentrate is corrosive to skin. Eye Irritation Test (FHSA) = corrosive. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours. Acute oral limit test showed the product was not oral toxic at 5g./kg. Since this product is corresive it may be harmful if swallowed. Acute inhalation - 1 Hour Toxic Limit test - not toxic at nominal concentration of at least 14.9 mg/l. Inhalation to fine fog mist can cause irritation to mucous membranes. Fine fog mist application is not recommended. 2. None know to manufacturer.

Chemical Noted as Carcinogen or Potential Carcinogen:

I.A.R.C. Monographs = No OSHA = No National Toxicology Program = No This product has no careinogens listed by IARC, NTP, NIOSH, or ACGIH as of this date, greater than or equal to 0.1%.