22-82822

MATERIAL SAFETY DATA SHEET

Reactivity = 0Flammability = 0NFPA RATING: Health = Reactivity = 0Flammability = 0HMIS RATING: Health = /1

SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (1160A)

Product Name: ARSENAL GREEN SELECT Manufacturer's Name: HILLYARD INDUSTRIES

DEGREASER CLEANER

Date Prepared: May 9, 2008 302 North Fourth Street Address:

Regulatory Affairs Department Prepared by: St. Joseph, MO 64501

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

http://www.hillyard.com

SECTION II - INGREDIENTS/IDENTITY INFORMATION

Components OTHER LIMITS (Specific Chemical Identity: RECOMMENDED % ACGIH TLV OSHA PEL CAS# Common Name(s) N/A none 7732-18-5 none Water N/A not established 68515-73-1 & not established Alkyl polyglucoside mixture

110615-47-9 N/A not established not established 68-04-2 Sodium Citrate

VOC Concentrate = 46.8 g/1.; VOC (concentrate) 0.5%; VOC (Min. dilution) 0.04%

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

1.05 & 39°C = 1.05 Specific Gravity ($H_2O = 1$): 25°C = **Boiling Point:** 208°F Percent Volatile by Volume (%): 88.97 17.5 Vapor Pressure (mm Hg.): Evaporation Rate (ethyl ether = 1): slower than 1

Vapor Density (AIR = 1): 0.6 Appearance and Odor: Amber-brown liquid; citrus odor complete Solubility in Water:

pH (concentrate) = 7.1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

UEL = N/AFlammable Limits: LEL = Flash point: None to 200°F (T.C.C.)

Extinguishing Media: Water spray, Carbon Dioxide, Dry Chemical, Foam

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus, goggles and nitrile or rubber gloves with concentrate.

Unusual Fire and Explosion Hazards: None known to manufacturer.

SECTION V - PHYSICAL HAZARDS

None known to Hillyard Conditions to Avoid: Stability: Stable

Incompatibility (Materials to Avoid): Strong oxidizing materials, strong acids and strong bases.

Hazardous Decomposition Products or Byproducts: As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.

None known Hazardous Polymerization: Will not occur Conditions to Avoid:

SECTION VI - HEALTH HAZARD DATA

Skin? no Ingestion? Routes of entry: Inhalation? no Eye? yes

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. When tested per the Federal Hazardous Substance Act method 16 CFR 1500 concentrated product was not a skin irritant; per the FHSA method 16 CFR 1500 the concentrated product was an eye irritant. The concentrated product was not acutely toxic (oral) to rats at 5 gm/kg. per upper limit test. Acute inhalation = 1 hour upper limit test was not able to test because product foamed too much to dose by a mist.

2. None known to Hillyard.

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SECTION VI - HEALTH HAZARD DATA continued

Chemical listed as Carcinogen or Potential Carcinogen:

OSHA = No I.A.R.C. Monographs = 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: Overexposure may cause drowsiness, headache and uncoordination.

Medical Conditions Generally Aggravated by Exposure: None known by manufacturer.

Emergency and First Aid Procedures: Eye and skin contact: Flush with plenty of water for 15 minutes; remove contact lenses and flush eyes again with water. If eye irritation persists get medical attention. If swallowed: Call a physician, hospital emergency room or poison control center immediately; induce vomiting.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb large spills with floor dry material. Small

spills: Flush with water and pick up with mop.

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

Precautions To Be Taken In Handling And Storing: Keep container closed when not in use.

Other Precautions: Do not take internally.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): None required.

Ventilation: Follow good engineering practices for public areas.

Special = N/A Other = N/ARecommended N/A Mechanical (General) = Goggles only where splashing of concentrate is a concern. Local Exhaust = Eye Protection: N/A Protective Gloves:

Other Protective Clothing or Equipment: N/A

Work / Hygienic Practices: Wash thoroughly after handling.

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: CFR = \underline{No} IMCO = \underline{No} IATA = \underline{No} .

Proper shipping name for air, foreign water for highway: Cleaning compound

UN No.: not applicable for highway Limited Qty.: not applicable Hazard class: not applicable for highway

Labels required: not required for highway DOT Exception: not applicable

EPA Hazardous waste characteristics:

Ignitability = Not applicable; Corrosivity = Not applicable; Reactivity = Not applicable.

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