

MATERIAL SAFETY DATA SHEET

NFPA RATING: Health = 1, Flammability = 0, Reactivity = 0

#3605

HMIS RATING: Health = 1, Flammability = 0, Reactivity = 0

SECTION I - IDENTITY AND MANUFACTURER'S INFORMATION

(0420B)

Manufacturer's Name: HILLYARD INDUSTRIES

Product Name: GENERAL PURPOSE CLEANER

Address: 302 North Fourth Street

Date Prepared: June 14, 1994

St. Joseph, MO 64502

Prepared by: Regulatory Affairs Department

Emergency Telephone No.: CHEMTREC (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. 2303)

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.	---
Ethoxylated Nonylphenol	9016-45-9	not est.	not est.	N.A.	---
Sodium phosphate, tribasic	7758-29-4	not est.	not est.	N.A.	---

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling point: 212^oF

Vapor Pressure (mm Hg.): N.A.

Vapor Density (Air = 1): >1

Solubility in Water: Complete

pH (Conc.) = 9.4

Specific Gravity (H₂O): 25^oF = 1.01; 39^oF = 1.01

Percent Volatile by Volume (%): 95.5%

Evaporation Rate (Ethyl ether = 1): slower than 1

Appearance and odor: Clear, pink liquid, floral odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point: None ^oF. (Tag Closed Cup)

Flammable Limits: LEL = N.A. UEL = N.A.

Extinguishing Media: Water, Carbon dioxide, Dry chemical or foam.

Special Fire Fighting Procedures: Normal fire fighting procedures may be used. Cool and cautiously approach or handle fire exposed containers.

Unusual Fire and Explosion Hazards: No special hazards known.

SECTION V - PHYSICAL HAZARDS

Stability: Stable **Conditions to Avoid:** N.A.

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

Hazardous Decomposition Products or Byproducts: When exposed to fire, produces normal products of combustion.

Hazardous Polymerization: Will not Occur **Conditions to Avoid:** None known to Hillyard.

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation? no

Skin? yes

Ingestion? no

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Mild eye irritation.

2. None known to Hillyard.

Chemical listed as Carcinogen or Potential Carcinogen:

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

Signs and Symptoms of Exposure: Concentrate irritating to the skin if not removed promptly. Frequent or prolonged contact with skin may cause moderate irritation or dermatitis.

Medical Conditions Generally Aggravated by Exposure:

None known to manufacturer.

HEALTH HAZARD DATA continued:

Emergency and First Aid Procedures:

In case of contact immediately flush eyes or skin with plenty of water for at least 15 minutes; remove contact lenses and flush eyes again with water. If irritation persists call physician

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled:

Floors may become slippery with standing liquid. Rinse spill area with water after pick up with wet vac or mop.

Waste Disposal Method:

No special method. Observe all applicable Federal, State, and Local requirements regarding disposal of non-hazardous materials. Waste from normal product use may be sewerred to a public owned treatment works (POTW) in compliance with applicable Federal, State, and local pretreatment requirements. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning.

Precautions To Be Taken In Handling And Storing:

Freezing of product may rupture container. Product shelf life is best retained by storage at 45 ° - 100 °F.

Other Precautions:

Not applicable.

SECTION VIII - CONTROL MEASURES:

Respiratory Protection (Specify Type): N.A.

Ventilation: Not required with normal method of use.

Local Exhaust = N.A. Mechanical (General) = N.A. Special = N.A. Other = N.A.

Protective Gloves: Not needed.

Eye Protection: Chemical splash goggles where there is a potential for eye contact.

Other Protective Clothing or Equipment: Not needed.

Work / Hygienic Practices: Wash thoroughly after handling.

SECTION IX - TRANSPORTATION INFORMATION:

Applicable regulations: 49 CFR = 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.

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