

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 1:128)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: CLEAN ACTION II
 Address: 302 North Fourth Street Date Prepared: January 20, 2010 (version 2)
 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: Common Name(s)	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS	
				RECOMMENDED	%
Water	7732-18-5	none	none	N/A	---
Propylene Glycol N-Propyl Ether	1569-01-3	not established	not established	N/A	---

VOC of diluted product less than 1%

*SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 210°F Specific Gravity (H₂O = 1): 25°C = 0.99 *Density 8.34 lbs./gal.
 Vapor Pressure (mm Hg.): 17.5 Percent Volatile by Volume (%): 99.9
 Vapor Density (AIR = 1): 0.6 Evaporation Rate (ethyl ether = 1): slower than 1
 Solubility in Water: complete Appearance and Odor: clear, colorless liquid, fresh odor
 *pH (concentrate) = 6-8

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point: none (T.C.C.) Flammable Limits: LEL = N/A UEL = N/A
 Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical
 Special Fire Fighting Procedures: Self-contained positive pressure breathing apparatus and protective
 clothing should be worn in fighting fires involving chemicals.
 Unusual Fire and Explosion Hazards: N/A

SECTION V – PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: N/A
 Incompatibility (Materials to Avoid): Avoid strong oxidizing agents or strong mineral acids
 Hazardous Decomposition Products or Byproducts: Decomposition products under fire conditions: fumes
 of ammonia, carbon monoxide, carbon dioxide, oxides of nitrogen and various hydrocarbons
 Hazardous Polymerization: will not occur Conditions to Avoid: N/A

SECTION VI – HEALTH HAZARD DATA

Routes of entry: Inhalation? No Skin? No Ingestion? No

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Diluted product is not a primary skin or eye irritant. Prolonged eye contact may cause slight irritation. Not acutely toxic when ingested at 5 g/kg; not acutely toxic by inhalation (1 hr.) toxicity limit test = 0 mortality.
2. None known by the manufacturer.

SECTION VI – HEALTH HAZARD DATA cont.

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: Prolonged contact with eyes may produce slight irritation if not removed promptly. Prolonged breathing of fine spray mists may cause respiratory irritation.

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures: In case of contact, immediately flush eyes with plenty of water for 15 minutes. If overcome by inhalation of fine mists, move to fresh air; get medical attention if irritation persists.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: Spills should be picked up with wet vac and rinsed thoroughly. Dispose of according to local, state and federal Regulations.

Waste Disposal Method: Wash down sewer with large quantity of water. 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 temperature.

Other Precautions: This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Sec. 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR Part 372.

SECTION VIII – CONTROL MEASURES:

Respiratory Protection (Specify Type): Not required

Ventilation:

Local Exhaust = not required Mechanical (General) = N/A Special = N/A Other = N/A

Protective Gloves: none required **Eye Protection:** none required

Other Protective Clothing or Equipment: None required

Work / Hygienic Practices: Wash thoroughly after handling.

DISCLAIMER OF WARRANTIES

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

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