

MATERIAL SAFETY DATA SHEET

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

SECTION I -- IDENTITY AND MANUFACTURER'S INFORMATION (568-05B)

Manufacturer's Name: HILLYARD INDUSTRIES**Product Name:** ICON (PART B)**Address:** 302 North Fourth Street**Date Prepared:** June 7, 2012 (new)

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	---
Polyamine Polymer	Unknown to Hillyard	N/E	N/E	N/E	13 - 23
O,O'-Bis(2-aminopropyl)polypropylene glycol	9046-10-0	N/E	N/E	N/A	1 - 3
Tetraethylenepentamine ⁽¹⁾	112-57-2	N/E	N/E	N/A	0.5 - 2

⁽¹⁾Regulated by OSHA, MA and PA

VOC = 0

N/A= Not Applicable N/E= Not Established

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: corr.	212°F	Specific Gravity (H₂O = 1): 25°C =	1.029	Density=	8.57 lbs/gal
Vapor Pressure (mm Hg.):	2.3	Percent Volatile by Weight (%):	89 - 91 %		
Vapor Density (AIR = 1):	0.62	Evaporation Rate (ethyl ether = 1):	slower than 1		
Solubility in Water:	Complete	Appearance and Odor:	Yellow liquid with amine odor		
pH (concentrate):	10 - 11				

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: >212°F **Flammable Limits:** LEL = not determined UEL = not applicable**Extinguishing Media:** Carbon dioxide, dry chemical, fog or water spray.**Special Fire Fighting Procedures:** Self-contained breathing apparatus with full face-piece operated in pressure demand or other pressure mode.**Unusual Fire and Explosion Hazards:** May form carbon dioxide and carbon monoxide.

SECTION V -- PHYSICAL HAZARDS

Stability: Stable**Conditions to Avoid:** N/A**Incompatibility (Materials to Avoid):** Oxidizing agents, Peroxides, Sodium Hypochlorite, Organic Acids, Mineral Acids, or strong bases.**Hazardous Decomposition Products or Byproducts:** Carbon monoxide, carbon dioxide and products of combustion of organic material. Reaction with peroxides may result in violent decomposition. Nitrosamines can be formed when product exposed to nitric acid.**Hazardous Polymerization:** Will not occur**Conditions to Avoid:** N/A

SECTION VI -- HEALTH HAZARD DATA

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

HEALTH HAZARDS (1. Acute and 2. Chronic)

1. Eye irritant. Prolonged exposure to skin may cause discomfort and dermatitis. Causes nose and throat irritation.

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

2. Reports have associated repeated and prolonged occupational overexposure to solvent with permanent brain and nervous system damage.

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%.

SECTION VI -- HEALTH HAZARD DATA cont.

Signs and Symptoms of Exposure: Eye irritation. Vapor harmful - may affect the brain or nervous system causing dizziness, headache or nausea. Product is not a primary skin irritant per Federal Hazardous Substance Act, CFR 15 Chapter IIc, Paragraph 1500.41 and 1500.42. Overexposure to propylene glycol monomethyl ether may cause mild eye, nose and throat irritation; headache, nausea and Central Nervous System depression.

Medical Conditions Generally Aggravated by Exposure: None known to Hillyard.

Emergency and First Aid Procedures: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately. In case of eye contact immediately flush with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Call a physician immediately.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled: If spilled contain spilled material and remove with inert absorbent. Do not let spilled or leaking material enter watercourse.

Waste Disposal Method: Collect absorbent/spilled mixture into plastic containers. Dispose of contaminated absorbent, container and unused contents in accordance with federal, state and local regulations.

Precautions To Be Taken In Handling And Storing: Keep containers closed tightly when not in use. Store in cool, well ventilated areas away from heat and out of direct sunlight. Protect from freezing. **Notice:** Saw dust from freshly sanded floors or dust from wood floors that have been abraded between coats will spontaneously catch fire if improperly discarded. Immediately after abrading or sanding wood floors, place dust waste in a sealed, water-filled metal container and immediately remove from building. **Notice:** Rags or applicators soaked in a combustible liquid will spontaneously catch fire if improperly discarded. Immediately after using rags or applicators soaked in a combustible liquid, place waste in a sealed, water-filled metal container and immediately remove from building. **Other Precautions:** Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. USE ONLY WITH ADEQUATE VENTILATION. Do not breathe vapors or spray mist. **Ensure fresh air entry during application and drying.** If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Close container after each use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not take internally. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 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): If sprayed, use respirator MESA/NIOSH approved for mist and organic vapor. None normally needed.

Ventilation:

Local Exhaust = N/A **Mechanical (General) =** Adequate ventilation required **Special =** N/A **Other =** N/A

Protective Gloves: Rubber or neoprene gloves **Eye Protection:** None normally needed

Other Protective Clothing or Equipment: To prevent repeated or prolonged contact, wear impervious clothing and boots.

Work / Hygienic Practices: Wash hands before eating or using washroom.

SECTION IX - TRANSPORTATION INFORMATION

Applicable regulations: 49 CFR = no; IMCO = no; IATA = no.

Proper shipping name: Varnish

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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