

H 12106

#121

**MATERIAL SAFETY DATA SHEET**

**NFPA RATING:** Health = 1    Flammability = 2    Reactivity = 0  
**HMS RATING:** Health = 1    Flammability = 2    Reactivity = 0

**SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (0723A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES    **Product Name:** GLASS AND PLASTIC CLEANER  
**Address:** 302 North Fourth Street    **Date Prepared:** July 19, 1994  
 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	%
Isopropyl alcohol (1)	67-63-0	400 ppm	400 ppm	500 (STEL)	2-6
Water	7732-18-5	none	none	N/A	--

(1) Regulated by OSHA and the following states: CT, FL, IL, LA, MA, NJ, PA, RI.  
 VOS = 987 gm./l.; VOC = 800 gm./l. less water; or VOS = 8.23 lbs./gal.

**SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

<b>Boiling Point:</b> 201.8°F	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 25°C = 0.99 & 39°C = 0.99
<b>Vapor Pressure (mm Hg.):</b> 17.8	<b>Percent Volatile by Volume (%):</b> 99.8
<b>Vapor Density (AIR = 1):</b> 0.6	<b>Evaporation Rate (ethyl ether = 1):</b> slower than 1
<b>Solubility in Water:</b> complete	<b>Appearance and Odor:</b> clear, blue liquid; isopropyl alcohol odor
<b>pH (concentrate) =</b> 7 - 8	

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

**Flash point:** 116°F (Tag Closed Cup) minimum    **Flammable Limits:** LEL = 2.1    UEL = N/A  
**Extinguishing Media:** Alcohol foam, dry chemical, carbon dioxide  
**Special Fire Fighting Procedures:** Water spray may be ineffective, but may be used to cool closed containers.  
**Unusual Fire and Explosion Hazards:** None known to manufacturer

**SECTION V – PHYSICAL HAZARDS**

**Stability:** Stable    **Conditions to Avoid:** Heat, sparks and open flame  
**Incompatibility (Materials to Avoid):** Strong oxidizing materials  
**Hazardous Decomposition Products or Byproducts:** As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide.  
**Hazardous Polymerization:** Will not occur    **Conditions to Avoid:** None known to manufacturer

**SECTION VI – HEALTH HAZARD DATA**

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

**HEALTH HAZARDS (1. Acute and 2. Chronic)**

1. Prolonged eye contact may produce irritation. Harmful if swallowed.
2. Prolonged breathing of high concentrations of fine fog mist can cause respiratory irritation.

**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%.