

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 (481N-48A)

Manufacturer's Name: HILLYARD INDUSTRIES Product Name: LIQUID TRAP SHOOTER
Address: 302 North Fourth Street Date Prepared: March 12, 1997
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

Table with 5 columns: Components, CAS#, OSHA PEL, ACGIH TLV, OTHER LIMITS RECOMMENDED, %. Rows include Water, Mixture of Bacterial Spores, and V.O.C. = 633 gm./l.; V.O.S. = 0.08 lbs./gal.

SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 208 °F Specific Gravity (H2O = 1): 25°C = 1.00 & 39°C = 1.00
Vapor Pressure (mm Hg.): 17.5 Percent Volatile by Volume (%): 99.3%
Vapor Density (AIR = 1): 0.6 Evaporation Rate (ethyl ether = 1): slower than 1
Solubility in Water: Complete Appearance and Odor: Hazy, green liquid, spring fresh odor
pH (concentrate) = 6.3

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash point: None to Boiling (Tag Closed Cup) Flammable Limits: LEL = N/A UEL = N/A
Extinguishing Media: Not applicable.
Special Fire Fighting Procedures: None known to manufacturer
Unusual Fire and Explosion Hazards: None known to manufacturer

SECTION V -- PHYSICAL HAZARDS

Stability: Stable Conditions to Avoid: Excessive hot or cold temperatures may kill microorganisms.
Incompatibility (Materials to Avoid): Strong acids, alkalis or disinfectants may kill these microorganisms
Hazardous Decomposition Products or Byproducts: None known to manufacturer
Hazardous Polymerization: Will not occur Conditions to Avoid: None known to Hillyard

SECTION VI -- HEALTH HAZARD DATA

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

HEALTH HAZARDS (1. Acute and 2. Chronic)

- 1. According to Primary Skin Irritation Test (FHSA), product concentrate is not an irritant; prolonged exposure may produce slight irritation in sensitive individuals; Eye Irritation Test (FHSA) = not irritant.
2. No data is available at this time.

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 or equal to 0.1%.

**SECTION VI -- HEALTH HAZARD DATA cont.**

**Signs and Symptoms of Exposure:** Prolonged eye or skin contact with concentrate can cause mild irritation. Ingestion may cause nausea, vomiting and diarrhea.

**Medical Conditions Generally Aggravated by Exposure:** Bacterial infection may occur through open wounds or broken skin.

**Emergency and First Aid Procedures:** In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. In case of skin contact, wash with soap and water; if irritation persists get medical attention. If ingested, give person several glasses of water and call a physician, hospital emergency room or poison control center for how to induce vomiting. Never give anything by mouth to an unconscious person.

**SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps To Be Taken In Case Material Is Released Or Spilled:** Pick up on absorbent material or flush away with water.

**Waste Disposal Method:** This product may be disposed of in sanitary sewer or septic tank. Container disposal: Triple rinse or equivalent then offer clean, dry container for recycling or reconditioning. Waste from normal use may be sewer to a public-owned treatment works in compliance with applicable federal, state and local requirements.

**Precautions To Be Taken In Handling And Storing:** Store in a cool dry place. Keep container tightly closed when not in use. To maintain biological properties, do not freeze and do not store above 100 °F.

**Other Precautions:** Keep out of reach of children. 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):** Not required for normal use

**Ventilation:**

**Local Exhaust =** Suggest                      **Mechanical (General) =** N/A                      **Special =** N/A                      **Other =** N/A

**Protective Gloves:** Rubber gloves                      **Eye Protection:** Splash goggles suggested

**Other Protective Clothing or Equipment:** Cover exposed skin.

**Work / Hygienic Practices:** Wash hands thoroughly after use.

**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:** not listed

**Ignitability =** not applicable;    **Corrosivity =** not applicable;    **Reactivity =** not applicable

**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.

**THE BUYER OR USER ASSUMES ALL RISKS ASSOCIATED WITH THE USE, MISUSE OR DISPOSAL OF THIS PRODUCT. THE BUYER OR USER IS RESPONSIBLE TO COMPLY WITH ALL FEDERAL, STATE OR LOCAL REGULATIONS CONCERNING THE USE, MISUSE OR DISPOSAL OF THESE PRODUCTS.**