

**MATERIAL SAFETY DATA SHEET**

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

**HMIS RATING:** Health = /2 Flammability = 2 Reactivity = 0

**SECTION I – IDENTITY AND MANUFACTURER'S INFORMATION (510N-44D)**

**Manufacturer's Name:** HILLYARD INDUSTRIES

**Product Name:** TACK-IT

**Address:** 302 North Fourth Street  
St. Joseph, MO 64502

**Date Prepared:** January 14, 2003

**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)	3-6
Butyl cellosolve (2-Butoxyethanol) * (2)	111-76-2	25 ppm	25 ppm	N/A	1-4
Water	7732-18-5	none	none	N/A	---

\*This product contains the following chemicals subject to the reporting requirements of SARA Title III, Sec. 313, and 40 CFR Part 372: 2-Butoxyethanol.

(1) and (2) Regulated by OSHA and the following states: CT, FL, IL, LA, MA, NJ, PA, RI.

VOC = 40 g/l.; VOC less water = 796 g/l.

**SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS**

**Boiling Point:** 210°F

**Specific Gravity (H<sub>2</sub>O = 1):** 25°C = 0.98 & 39°C = 0.99

**Vapor Pressure (mm Hg.):** 19.2

**Percent Volatile by Volume (%):** 99.9

**Vapor Density (AIR = 1):** 0.7

**Evaporation Rate (ethyl ether = 1):** slower than 1

**Solubility in Water:** Appreciable

**Appearance and Odor:** clear, transparent liquid; butyl cellosolve odor

**pH (concentrate) =** 10.1

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

**Flash point:** 130°F (T.C.C.) minimum **Flammable Limits:** LEL = 1.1 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

**SECTION VI – HEALTH HAZARD DATA**

**Routes of entry:** Inhalation? Yes Skin? Yes Ingestion? Yes

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

1. Eye contact may produce irritation. Prolonged breathing of high concentrations of butyl cellosolve vapor may result in respiratory and eye irritation, narcosis, hematuria and damage to liver and kidneys.

2. None known to Hillyard.

**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 continued.

**Signs and Symptoms of Exposure:** Overexposure may cause drowsiness, headache and lack of coordination.

**Medical Conditions Generally Aggravated by Exposure:** None known by manufacturer.

**Emergency and First Aid Procedures:** Eye and skin contact: Flush with plenty of water for 15 minutes; remove contact lenses and flush eyes again with water. If eye irritation persists get medical attention. If swallowed: Call a physician, hospital emergency room or poison control center immediately; induce vomiting.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb large spills with floor dry material. Small spills: Flush with water and pick up with mop.

**Waste Disposal Method:** Dispose of in accordance with state and local regulations. Do not dispose of in storm drains or streams.

**Precautions To Be Taken In Handling And Storing:** Keep container closed when not in use. Since empty packages retain produce residue, follow label warnings even after package is empty.

**Other Precautions:** Do not take internally. USE WITH ADEQUATE VENTILATION. Avoid breathing vapors or spray mist. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 for technical guidelines on keeping air contamination below acceptable exposure limits.

## SECTION VIII – CONTROL MEASURES

**Respiratory Protection (Specify Type):** Ventilate to keep air below TLV. A NIOSH approved respirator for organic vapor should be worn if needed to keep level below TLV.

**Ventilation:** Recommended at least 5 CFM

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

**Protective Gloves:** N/A **Eye Protection:** N/A

**Other Protective Clothing or Equipment:** N/A

**Work / Hygienic Practices:** Wash thoroughly after handling

## SECTION IX – TRANSPORTATION INFORMATION

**Applicable regulations:** CFR = No IMCO = Yes IATA = Yes.

**Proper shipping name for air and foreign water:** Flammable liquid, N.O.S., (Isopropyl alcohol), 3, UN1993, III

**Proper shipping name for highway:** Cleaning compound

**UN No.:** not applicable for highway **Limited Qty.:** not applicable **Hazard class:** not applicable for highway

**Labels required:** not required for highway **DOT Exception:** not applicable

**EPA Hazardous waste characteristics:**

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

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