



**Chemical Name:** Carpet Spotter

**Manufacturer:** Hillyard Industries

**Container size:** 1 gallon

**Location:** SOC

**Disposal:** Place empty container in trash.

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

## IDENTITY AND MANUFACTURER'S INFORMATION

<b>NFPA Rating:</b> Health-1; Flammability-1; Reactivity-0; Special- <b>Manufactured For:</b> Hillyard Industries, Inc. <b>Address:</b> 302 N. 4 <sup>th</sup> Street <b>Address:</b> St. Joseph, MO 64501  <b>Phone:</b> (816)-233-1321 ext. 8285 or http://www.hillyard.com	<b>HMSI Rating:</b> Health-1; Flammability-1; Reactivity-0; Personal Protection-B <b>DOT Hazard Classification:</b> ORM-D <b>Identity</b> (trade name as used on label): <p style="text-align: center;"><b>CARPET SPOTTER</b> Part# HIL0102954</p> <b>MSDS Number:</b> A00173 <b>Revision</b> -8 <b>Date Prepared:</b> 07/02/04 <b>Prepared By:</b> TR/IB <b>Information Calls:</b> (770) 422-2071
<b>EMERGENCY RESPONSE NUMBER:</b> Chemtrec 1-800-424-9300 <b>NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA</b>	

## SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ISOBUTANE / PROPANE BLEND	75-28-5	No	800	800	d
	74-98-6	No	1000	1000	d
ISOPROPNOL	67-63-0	No	400	400	d
2-BUTOXYETHANOL	111-76-2	Yes*	25 (skin)	20 (skin)	d
ACETONE	67-64-1	No	1000	750	d
PROPYLENE GLYCOL PHENYL ETHER	770-35-4	No	NE	NE	d
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	No	NE	NE	d
*GLYCOL ETHER					

## SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b> N/A	<b>Specific Gravity (H<sub>2</sub>O=1):</b> Concentrate Only = 0.985
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.60	<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> N/A
<b>Vapor Density (Air = 1):</b> N/E	<b>Evaporation Rate ( = 1):</b> N/E
<b>Solubility in Water:</b> Soluble	<b>Water Reactive:</b> No
<b>Appearance and Odor:</b> Clear spray with sweet fragrance.	

## SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols): 12 inch projection (not categorized as flammable)	<b>Auto Ignition Temperature:</b> N/E	<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/E      % UEL: N/E
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): N/A	<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water.	
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.		
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.		

## SECTION 4 - REACTIVITY HAZARD DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR
<b>Incompatibility (Mat. to avoid):</b> Strong oxidizers	<b>Conditions to Avoid:</b> Open flame, welding arcs, heat.
<b>Hazardous Decomposition Products:</b> Carbon monoxide, carbon dioxide and trace oxides of nitrogen.	

## SECTION 5 - HEALTH HAZARD DATA

<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS
<b>ACUTE EFFECTS</b>
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.
<b>Eye Contact:</b> Slight irritation. <b>Skin Contact:</b> Slight irritation. Prolonged contact increases irritation and skin absorption.
<b>Ingestion:</b> Possible chemical pneumonitis if aspirated into lungs. Nausea.
<b>CHRONIC EFFECTS:</b> Excessive and prolonged over- exposure may cause damage to nasal & respiratory passages, throat & esophagus. Lab animals have experienced anemia, liver, kidney, lung, blood damage to 2-butoxyethanol.
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.

## EMERGENCY FIRST AID PROCEDURES

<b>Eye Contact:</b> Flush with water for 15 minutes. If irritated, seek medical attention.
<b>Skin Contact:</b> Remove contaminated clothing. Wash with soap and water. If irritated, seek medical attention. Launder contaminated clothing before re-use.
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH to be used in positive pressure mode.
<b>Protective Gloves:</b> Disposable latex gloves suggested. <b>Eye Protection:</b> Safety glasses recommended.
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.
<b>Other Protective Clothing &amp; Equipment:</b> None
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Flush to sewer with water.
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*  
 \*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

**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 (0905A)**

**Manufacturer's Name:** HILLYARD INDUSTRIES **Product Name:** CARPET SPOTTER  
**Address:** 302 North Fourth Street **Date Prepared:** December 15, 1998  
 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. 2303)

<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	---

VOS = 0.5 lbs./gal. for concentrate; VOS = less than 1% diluted

**SECTION III -- PHYSICAL / CHEMICAL CHARACTERISTICS**

**Boiling Point:** 212°F **Specific Gravity (H<sub>2</sub>O= 1):** 25°C = 1.00 & 39°C = 1.00  
**Vapor Pressure (mm Hg.):** 17.4 **Percent Volatile by Volume (%):** 99  
**Vapor Density (AIR = 1):** 0.7 **Evaporation Rate (ethyl ether = 1):** slower than 1  
**Solubility in Water:** appreciable **Appearance and Odor:** off-white semi-transparent liquid;  
 pH (concentrate) = 9.0-10.0 non-objectionable odor

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

**Flash point:** None (T.C.C.) **Flammable Limits:** LEL = N/A UEL = N/A  
**Extinguishing Media:** Water, carbon dioxide or foam  
**Special Fire Fighting Procedures:** N/A  
**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 and cationic products.  
**Hazardous Decomposition Products or Byproducts:** Decomposition products under fire conditions: carbon monoxide, carbon dioxide, oxides of nitrogen.  
**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. Based on product testing, not an eye or skin irritant per FHSA, CFR 16, chapter IIc, paragraph 1500.41 and 1500.42. Per acute oral toxicity testing: 0 mortality at 5 g/kg.; acute inhalation (1 hr) toxicity limit test = 0 mortality at 23.9 mg/l actual concentration (nominal concentration of 47.4 mg./L.).

2. None known to Hillyard Industries.

**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:** None known to Hillyard Industries.

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

**Emergency and First Aid Procedures:** In case of contact, immediately flush eyes with plenty of water.

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

**Steps To Be Taken In Case Material Is Released Or Spilled:** Pick up with mop or wet vac and wash away with water. Spills of concentrate should be picked up with wet vac and rinsed thoroughly.

**Waste Disposal Method:** Wash down to public owned treatment works (POTW) sewer with large quantity of water in compliance with applicable federal, state and local regulations. 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 Section 313 of SARA Title III Emergency Planning and Community Right to Know Act of 1986 and of 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.

**SECTION IX - TRANSPORTATION INFORMATION**

**Applicable regulations:** DOT = 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:**

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

**DISCLAIMER OF WARRANTIES**

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**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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