

# Sunbow Super Spotter



## Technical Dossier

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S H E P A R D   B R O S .   I N C .

# SUNBOW SUPER SPOTTER

ALL PURPOSE LAUNDRY SPOTTER

## PRODUCT DESCRIPTION

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**SUNBOW SUPER SPOTTER** is a premium concentrated liquid spotter that can be used to remove most common stains.

This premium product incorporates complex surfactants that are designed to be equally effective on removing particulate soils as well as oil and grease.

## PROPERTIES AND BENEFITS

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- Contains solvents specifically designed to aid oil and grease removal.
- Powerful surfactants quickly penetrate soils and emulsify oils, sweat and chemicals built around the neck.
- Especially effective on oily and greasy soils like lipstick, cosmetics, blood, lipstick, tar, grass stains, shoe polish, crayons, etc.
- Can be directly sprayed onto the stains or add with either liquid injection equipment or manual addition.
- Fortified with water conditioners and soil suspending polymers to eliminate the need for multiple products in hard water environments.
- Effective in hard water conditions.
- Pleasant clean fragrance.

## DIRECTIONS

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Spray on collars or use 2-8 fl- oz/cwt for normal soil load.

Your Shepard Bros. representative can recommend specific use instructions and recommended dispensing equipment which will depend on your operating conditions.

## SAFE HANDLING

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Caution: contact with water, acid or moist air liberates irritating gas. Severe skin & eye irritant.

A Safety Data Sheet containing detailed information regarding the properties and safe handling of **SUNBOW SUPER SPOTTER** is available on request and should be reviewed prior to using this product

(Rev. 03/17)

The technical information and use suggestions herein are presented in good faith and are believed to be reliable. They do not constitute a part of our terms and conditions of sale unless specifically incorporated in our Order Acknowledgement. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct, or that the product described is merchantable or fit for a particular purpose, or that said information, data or product can be used without infringing patents of a third party. The purchaser must determine individually, by preliminary tests or otherwise, the suitability of this product for the intended purpose.

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** SN/SSP  
**Product Name:** Super Spotter  
**Company Name:** Shepard Bros., Inc.  
 503 S. Cypress St.  
 La Habra, CA 90631  
**Phone Number:** +1 (562)697-1366  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300  
**Product Category:** Spot Cleaner

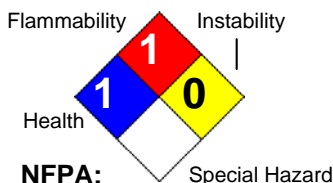
## 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Inhalation, Category 4**  
**Skin Corrosion/Irritation, Category 3**  
**Serious Eye Damage/Eye Irritation, Category 2A**



**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** H332 - Harmful if inhaled.  
 H316 - Causes mild skin irritation.  
 H319 - Causes serious eye irritation.  
**GHS Precaution Phrases:** P271 - Use only outdoors or in a well-ventilated area.  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
**GHS Response Phrases:** P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER/doctor/... if you feel unwell.  
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.  
 P332+313 - If skin irritation occurs, get medical advice/attention.  
**GHS Storage and Disposal Phrases:** No phrases apply.

**Hazard Rating System:**



**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Inhalation of a mist of this material may cause respiratory tract irritation. May cause headaches and dizziness. High exposures may cause narcotic effects and lung damage.  
**Skin Contact:** Can cause reddening and irritation of the skin.  
**Eye Contact:** May cause irritation, tearing, and redness. May cause serious eye damage.  
**Ingestion:** May cause irritation to the mouth, esophagus, or stomach. May cause nausea and vomiting. May cause diarrhea.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethylene glycol monobutyl ether	<10.0 %

### 4. FIRST AID MEASURES

#### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. Get medical attention immediately.
<b>In Case of Skin Contact:</b>	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical aid if irritation develops and persists.
<b>In Case of Eye Contact:</b>	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do after 5 minutes and continue rinsing for an additional 15 minutes. Get medical advice/attention.
<b>In Case of Ingestion:</b>	Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Call a physician.
<b>Note to Physician:</b>	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	> 212 F (100 C) Method Used: Pensky-Marten Closed Cup
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	NA
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or appropriate foam.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Containers can build up pressure if exposed to heat (fire). Use water spray to keep fire-exposed containers cool.
<b>Flammable Properties and Hazards:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, silicon.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let product enter drains, sewers, watersheds or water systems.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
<b>Precautions To Be Taken in</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away

**Storing:** from sources of ignition. Store away from strong oxidizing agents. Store in a tightly closed container. Keep container closed when not in use. Protect containers against damage.

**Other Precautions:** Handle in accordance with good industrial hygiene and safety practices. Keep out of reach of children.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
111-76-2	Ethylene glycol monobutyl ether	No data.	TLV: 25 ppm	No data.
<b>Respiratory Equipment (Specify Type):</b>	Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges when concentrations are unknown.			
<b>Eye Protection:</b>	Wear chemical splash goggles and a full-face shield where there is potential for eye contact.			
<b>Protective Gloves:</b>	Wear appropriate protective gloves and clothing to prevent skin exposure. Rubber or neoprene gloves. nitrile gloves.			
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Rubber or neoprene boots.			
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate mechanical or local exhaust ventilation to minimize exposure levels, particularly in areas where the air contacts open process equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice.			

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid		
<b>Appearance and Odor:</b>	Appearance: Transparent. colorless. Liquid. Odor: Mild solvent.		
<b>Melting Point:</b>	< 32.0 F (0 C)		
<b>Boiling Point:</b>	> 212 F (100 C)		
<b>Decomposition Temperature:</b>	NA		
<b>Autoignition Pt:</b>	NA		
<b>Flash Pt:</b>	> 212 F (100 C) Method Used: Pensky-Marten Closed Cup		
<b>Explosive Limits:</b>	LEL: No data.		UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.02		
<b>Density:</b>	NA		
<b>Bulk density:</b>	NA		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA		
<b>Vapor Density (vs. Air = 1):</b>	NA		
<b>Evaporation Rate:</b>	NA		
<b>Solubility in Water:</b>	Complete		
<b>Saturated Vapor Concentration:</b>	NA		
<b>Viscosity:</b>	NA		
<b>pH:</b>	NA		
<b>Percent Volatile:</b>	NA		
<b>VOC / Volume:</b>	NA		

**Particle Size:** NA  
**Heat Value:** NA  
**Corrosion Rate:** NA

## 10. STABILITY AND REACTIVITY

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, silicon.

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** High temperatures, Incompatible materials, Ignition sources.

**Incompatibility - Materials To Avoid:** Strong oxidizers.

**Hazardous Decomposition Or Byproducts:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: phosphorus, sodium, silicon.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information available.  
Teratogenicity: No information available.  
Reproductive Effects: No information available.  
Mutagenicity: No information available.  
Neurotoxicity: No information available.

Other Studies: CAS# 111-76-2:  
Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.  
Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg  
Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg.

**Irritation or Corrosion:** Other Studies: CAS# 111-76-2:  
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No information available.  
Physical: No information available.

**Results of PBT and vPvB assessment:** Other Studies: CAS# 111-76-2:  
LC50, Water Flea (Daphnia magna), 1720 mg/l, 24 H, Intoxication  
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/l, 96 H, Mortality  
LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H, Mortality  
LC50, Carp (Leuciscus idus ssp. melanotus), 1575 mg/l, 48 H, Mortality  
Effective concentration to 0% of test organisms, Blue-Green Algae (Microcystis aeruginosa), 156000 ug/L, Population

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.



# SAFETY DATA SHEET

## Super Spotter

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Printed: 07/10/2014

Revision: 07/10/2014

Supersedes Revision: 01/14/2014

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14. TRANSPORT INFORMATION

#### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

### 15. REGULATORY INFORMATION

#### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
111-76-2	Ethylene glycol monobutyl ether	No	No	Yes-Cat. N230

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethylene glycol monobutyl ether	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

**Regulatory Information:** PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): This product may contain traces of: ethylene oxide (CAS 75-21-8).

### 16. OTHER INFORMATION

**Revision Date:** 07/10/2014

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.

# SUPER SPOTTER

MAXIMUM STRENGTH - ALL PURPOSE SPOTTER



## WARNING

Harmful if inhaled.  
Causes mild skin irritation.  
Causes serious eye irritation.



**Precautionary Statements:** Avoid breathing mist/vapors/spray. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

## Response Phrases:

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or a doctor if you feel unwell.

**IF ON SKIN:** If skin irritation occurs, get medical advice/attention.

**SPECIFIC TREATMENT:** See Section 4 of the SDS to reference supplemental first aid instruction if immediate measures are required.

**Storage/Disposal:** Dispose of contents and containers in accordance with local, regional, national, and international regulations.

**Supplemental Information:** This product may contain materials that may be hazardous to your health. For industrial use only - package is not child-resistant. Apply full strength directly on stain, then wash as usual.

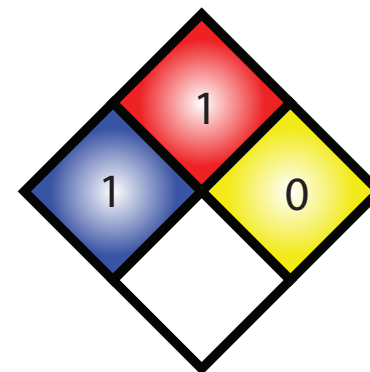
FOR INDUSTRIAL USE ONLY - KEEP OUT OF REACH OF CHILDREN.

CONTAINS: 2-BUTOXYETHANOL. AVOID EYE CONTACT.

## Usage Information:

- For stubborn stains, light scrubbing may be necessary.
- On colored fabrics, test product on an inconspicuous area. Color loss may occur on some fabrics with chemical sensitive dyes.
- Effective on grease, ink, lipstick, oil, grass stains, food stains, blood, tar, cosmetics, collars & cuffs and many more.

Contact your Shepard Bros., Inc. representative for more specific use instructions and recommended dispensing equipment.



Read safety data sheets for more detailed information.  
**24 HR. EMERGENCY PHONE: 800-424-9300 (CHEMTREC)**

**PROPER SHIPPING NAME: NOT REGULATED**

PRODUCT ID:

BATCH NO.:

NET CONTENTS:



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