



# Safety Data Sheet

Issue Date 08-Oct-2013

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Version 1.0

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Twin Spotter Spot & Stain Remover

### Other Means of Identification

**Product Code** 090800

### Recommended Use of the Chemical and Restrictions on Use

**Recommended Use** Carpet spotter. For industrial use.

### Details of the Supplier of the Safety Data Sheet

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

### Emergency Telephone Number

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Straw

**Physical State** Liquid

**Odor** Green Apple

### Classification

|                                   |            |
|-----------------------------------|------------|
| Skin Corrosion/Irritation         | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 1 |

### Signal Word

**Danger**

### Hazard Statements

Causes skin irritation.  
Causes serious eye damage.



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Wear glasses or goggles as needed to prevent exposure to eyes.

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash before reuse.  
Specific Treatment: Remove from exposure and treat symptoms.

### Precautionary Statements - Storage

No other specific measures identified.

### Precautionary Statements - Disposal

No other specific measures identified.

**Other Hazards**

None known.

**Unknown Acute Toxicity**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name                 | CAS No      | Weight-% |
|-------------------------------|-------------|----------|
| Water                         | 7732-18-5   | 60-100   |
| Hydrogen Peroxide             | 7722-84-1   | 5-10     |
| Anionic Detergent Polymer     | Proprietary | 1-5      |
| Isopropyl Alcohol             | 67-63-0     | 1-5      |
| Ethylene Glycol n-Butyl Ether | 111-76-2    | 1-5      |
| Ammonium Hydroxide            | 1336-21-6   | 0.5-1.5  |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

**4. FIRST-AID MEASURES****First Aid Measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician. |
| <b>Skin Contact</b> | Wash off immediately with plenty of water for at least 15 minutes. If irritation develops or persists get medical attention.                   |
| <b>Inhalation</b>   | Remove to fresh air. Get medical attention if breathing becomes difficult.   |
| <b>Ingestion</b>    | Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention.                             |

**Most Important Symptoms and Effects**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Prolonged or repeated exposure can remove natural skin oils and may produce irritation. Contact with eyes may cause burns and/or eye damage. |
|-----------------|--|

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

|                           |   |
|---------------------------|---|
| <b>Notes to Physician</b> | Treat symptomatically. May aggravate pre-existing skin disorders. |
|---------------------------|---|

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Water. Foam.**Unsuitable Extinguishing Media**

Not determined.

**Specific Hazards Arising from the Chemical**

None known. This product contains hydrogen peroxide, which may fuel fires.

**Hazardous Combustion Products**

Normal products of combustion.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

- Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet.
- Environmental Precautions** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

**Methods and Material for Containment and Cleaning Up**

- Methods for Containment** Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers.
- Methods for Clean-Up** Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing.

**Conditions for Safe Storage, Including Any Incompatibilities**

- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children.
- Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

| Chemical Name                             | ACGIH TLV                     | OSHA PEL  | NIOSH IDLH  |
|---|-------------------------------|---|---|
| Hydrogen Peroxide<br>7733-84-1            | TWA: 1 ppm                    | TWA: 1 ppm<br>1.4 mg/m <sup>3</sup>   | -   |
| Isopropyl alcohol<br>67-63-0              | STEL: 400 ppm<br>TWA: 200 ppm | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup> | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | TWA: 20 ppm                   | TWA: 50 ppm<br>TWA: 240 mg/m <sup>3</sup><br>(vacated) TWA: 25 ppm<br>(vacated) TWA: 120 mg/m <sup>3</sup><br>(vacated) S*<br>S*  | IDLH: 700 ppm<br>TWA: 5 ppm<br>TWA: 24 mg/m <sup>3</sup>  |
| Ammonium Hydroxide<br>1336-21-6           | TWA: 25ppm<br>STEL: 35 ppm    | TWA: 50 ppm   | -   |

**Appropriate Engineering Controls**

- Engineering Controls** Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

**Individual Protection Measures, such as Personal Protective Equipment**

- Eye/Face Protection** Eye protection should be used when splashing may occur.
- Skin and Body Protection** Wear protective gloves when handling this product.
- Respiratory Protection** Under normal conditions, respirator is not normally required.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

|                       |        |                       |                |
|-----------------------|--------|-----------------------|----------------|
| <b>Physical State</b> | Liquid | <b>Odor</b>           | Green Apple    |
| <b>Appearance</b>     | Clear  | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Straw  |                       |                |

| <u>Property</u>              | <u>Values</u>         | <u>Remarks • Method</u> |
|------------------------------|-----------------------|-------------------------|
| pH (concentrate)             | 8.5-9.0               |                         |
| Melting Point/Freezing Point | Approximately 32°F    |                         |
| Boiling Point/Boiling Range  | Approximately 212°F   |                         |
| Flash Point                  | Not applicable        |                         |
| Evaporation Rate             | Not determined        |                         |
| Flammability (Solid, Gas)    | Liquid-not applicable |                         |
| Upper Flammability Limits    | Not applicable        |                         |
| Lower Flammability Limit     | Not applicable        |                         |
| Vapor Pressure               | Not determined        |                         |
| Vapor Density                | Not determined        |                         |
| Specific Gravity             | 0.98                  |                         |
| Water Solubility             | Completely soluble    |                         |
| Solubility in other solvents | Not determined        |                         |
| Partition Coefficient        | Not determined        |                         |
| Auto-ignition Temperature    | Not determined        |                         |
| Decomposition Temperature    | Not determined        |                         |
| Kinematic Viscosity          | Not determined        |                         |
| Dynamic Viscosity            | Not determined        |                         |
| Explosive Properties         | Not an explosive      |                         |
| Oxidizing Properties         | Not determined        |                         |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous Polymerization

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Avoid excessive heat. Keep from freezing.

### Incompatible Materials

Avoid contact with bases, acids, bleach.

### Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon, sulfur, and nitrogen, oxygen.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not taste or swallow.

### Component Information

| Chemical Name                             | Oral LD50            | Dermal LD50                                       | Inhalation LC50                                  |
|---|----------------------|---|--|
| Hydrogen Peroxide<br>7722-84-1            | >2000mg/kg (Rat)     | -   | 1434ppm (Rat)                                    |
| Isopropyl Alcohol<br>67-63-0              | = 4396 mg/kg ( Rat ) | = 12800 mg/kg ( Rat )<br>= 12870 mg/kg ( Rabbit ) | = 72.6 mg/L ( Rat ) 4 h                          |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | = 470 mg/kg ( Rat )  | = 2270 mg/kg ( Rat )<br>= 220 mg/kg ( Rabbit )    | = 2.21 mg/L ( Rat ) 4 h<br>= 450 ppm ( Rat ) 4 h |
| Ammonium Hydroxide<br>1336-21-6           | 3= 350 mg/kg (Rat)   | -   | -  |

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

**Carcinogenicity** Not classifiable as a human carcinogen.

| Chemical Name                             | ACGIH | IARC    | NTP | OSHA |
|---|-------|---------|-----|------|
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | A3    | Group 3 |     |      |
| Isopropyl Alcohol<br>67-63-0              |       | Group 3 |     | X    |

#### Legend

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X - Present

### Numerical Measures of Toxicity

Not determined

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Component Information

| Chemical Name                             | Algae/aquatic plants   | Fish  | Toxicity to microorganisms | Crustacea  |
|---|--|---|----------------------------|--|
| Hydrogen Peroxide<br>7722-84-1            | -  | 16.4mg/L (96hr)   | -                          | 2.4mg/L (48hr)   |
| Isopropyl Alcohol<br>67-63-0              | 1000: 96 h Desmodemus subspicatus mg/L EC50<br>1000: 72 h Desmodemus | 9640: 96 h Pimephales promelas mg/L LC50 flow-through<br>11130: 96 h  | -                          | 13299: 48 h Daphnia magna mg/L EC50  |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | -  | 1490: 96 h Lepomis macrochirus mg/L LC50 static<br>2950: 96 h Lepomis | -                          | 1698 - 1940: 24 h Daphnia magna mg/L EC50<br>1000: 48 h Daphnia magna mg/L |

### Persistence/Degradability

Not expected to persist.

### Bioaccumulation

Not expected to bioaccumulate.

**Mobility**

| Chemical Name                             | Partition Coefficient |
|---|-----------------------|
| Isopropyl Alcohol<br>67-63-0              | 0.05                  |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | 0.81                  |

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

| Chemical Name                | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Isopropyl Alcohol<br>67-63-0 | Toxic<br>Ignitable                |

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated. (NOI Non-Hazardous)

**IATA** Not regulated.

**IMDG** Not regulated.

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations****CERCLA**

| Chemical Name                   | Reportable Quantity (RQ) |
|---------------------------------|--------------------------|
| Ammonium Hydroxide<br>1336-21-6 | 1000 lbs<br>454 kg       |

**SARA 302 Extremely Hazardous Chemicals**

| Chemical Name | CAS No | SARA RQ | SARA Threshold Planning Quantity |
|---------------|--------|---------|----------------------------------|
|---------------|--------|---------|----------------------------------|

|                   |           |         |         |
|-------------------|-----------|---------|---------|
| Hydrogen Peroxide | 7722-84-1 | 1000 lb | 1000 lb |
|-------------------|-----------|---------|---------|

**SARA 311/312 Hazard Categories**

Immediate (Acute) Health.

**SARA 313**

| Chemical Name                 | CAS No    | Weight-% | SARA 313 - Threshold Values % |
|-------------------------------|-----------|----------|-------------------------------|
| Ethylene Glycol n-Butyl Ether | 111-76-2  | 1-5      | 1.0                           |
| Ammonium Hydroxide            | 1336-21-6 | 0.5-1.5  |                               |

**CWA (Clean Water Act)**

None known.

**US State Regulations**

None known

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

| Chemical Name                             | State List |
|---|------------|
| Hydrogen Peroxide<br>7722-84-1            | MA, PA, NJ |
| Isopropyl Alcohol<br>67-63-0              | MA, NJ, PA |
| Ethylene Glycol n-Butyl Ether<br>111-76-2 | MA, NJ, PA |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

**16. OTHER INFORMATION****NEPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

3

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Not determined

**Issue Date**

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**Revision Note**

Update format Version 1.0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

\*Denotes changes from last version.

**End of Safety Data Sheet**