1. IDENTIFICATION

Product Identifier
Product Name: Laundry Protein Stain Remover

Other Means of Identification
Product Code: 600400

Recommended Use of the Chemical and Restrictions on Use
Recommended Use: Laundry stain remover. 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: Blue
Physical State: Liquid
Odor: None

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 2</td>
<td>Sub-category B</td>
</tr>
</tbody>
</table>

Serious Eye Damage/Eye Irritation

Signal Word
Warning

Hazard Statements
Causes eye irritation.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response
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.

Precautionary Statements - Storage
No other specific measures identified.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

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
Diethylene Glycol Monomethyl Ether | 111-77-3 | 1-5
Poly(Oxyethylene/Oxypropylene) Glycol Copolymer (Polyoxyalkylene Glycol Polyether Polyol) | 9003-11-6 | 1-5
Sodium Thiosulfate | 10102-17-7 | 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.**

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**4. FIRST-AID MEASURES**

**First Aid Measures**

**Eye Contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation develops or persists seek medical attention.

**Skin Contact**
Wash off immediately with plenty of water for at least 15 minutes.

**Inhalation**
Remove to fresh air.

**Ingestion**
Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention.

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**Most Important Symptoms and Effects**

**Symptoms**
Contact with eyes may cause irritation and redness.

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

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**Notes to Physician**
Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

**Unsuitable Extinguishing Media**
Not determined.

**Specific Hazards Arising from the Chemical**
None known.

**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.

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**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Physical State: Liquid

Appearance: Clear

Color: Blue

Odor: No added fragrance

Odor Threshold: Not determined

Property | Values | Remarks | Method
---|---|---|---
pH (concentrate) | 9.4-9.9 | | |
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 | | |
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, sparks, or open flames. Keep from freezing.

Incompatible Materials
Strong oxidizing agents, acids, and alkalis.

Hazardous Decomposition Products
Thermal decomposition may produce oxides of carbon, sodium, and hydrogen sulfide.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monomethyl Ether 111-77-3</td>
<td>5500mg/kg (Rat)</td>
<td>650mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Poly(Oxyethylene/Oxypropylene) Glycol Copolymer (Polyoxyalkylene Glycol Polyether Polyol) 9003-11-6</td>
<td>&gt;2000mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium Thiosulfate 10102-17-7</td>
<td>2700 mg/kg (Mouse)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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
This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monomethyl Ether 111-77-3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Poly(Oxyethylene/Oxypropylene Glycol Copolymer) Glycol Copolymer (Polyoxyalkylene Glycol Polyether Polyol) 9003-11-6</td>
<td>&gt;100mg/L (72hr)</td>
<td>&gt;100mg/L (96hr)</td>
<td>-</td>
<td>&gt;100mg/L (48hr)</td>
</tr>
<tr>
<td>Sodium Thiosulfate 10102-17-7</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Persistence/Degradability
Not expected to persist.

Bioaccumulation
Not expected to bioaccumulate.

Mobility
Not determined

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.

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.
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
None Listed

SARA 311/312 Hazard Categories
Immediate (Acute) Health.

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:
- Diethylene Glycol Monomethyl Ether: 2%

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Monomethyl Ether</td>
<td>MA, PA</td>
</tr>
<tr>
<td>111-77-3</td>
<td></td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>CAP65</td>
</tr>
<tr>
<td>75-21-8</td>
<td></td>
</tr>
</tbody>
</table>

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 Contaminate - 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

<table>
<thead>
<tr>
<th>NFPA Health Hazards</th>
<th>Health Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Instability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Special Hazards</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS Health Hazards</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Instability</td>
<td>0</td>
</tr>
</tbody>
</table>

Issue Date: 08-Aug-2011
Revision Date: 07-Sep-2014
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