SAFETY DATA SHEET

Revision Date: 24-Aug-2017

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Label Name: all Stainlifter Mighty Pacs
Product Generic Name: Single Dose Liquid Laundry Detergent
Other means of identification:
UPC Code(s): 72613161317, 72613465880, 72613466337, 72613464302, 72613460472, 72613458516, 72613458561, 72613463364, 72613465887, 72613161311, 72613466150, 72613161314, 72613458
513, 72613460479, 72613458568
Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended Use: Detergent.
Uses advised against: Read label before use

Supplier's details

Manufacturer Address:
Sun Products Corporation
60 Danbury Road, Wilton, CT 06897
After 1/1/2018 Henkel Corporation
One Henkel Way, Rocky Hill, CT 06067
1-800-298-2408

Emergency telephone number

Emergency telephone:
Chemtrec (US/CA) 1-800-424-9300 (24 hour)
General - 1-800-776-6702 (Monday – Friday, 8:30AM to 6:00PM EST)
Propharma: 1-800-565-5597 (24 hours)

2. HAZARDS IDENTIFICATION

The hazards described in this OSHA Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers. The SDS provides additional information for safe handling of the product. For information regarding consumer application of this product refer to the product label.

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation

GHS Label elements, including precautionary statements

Emergency Overview

Page 1 / 9
Warning

Hazard Statements
Causes serious eye irritation

Appearance Liquid Pack Physical state liquid Odor Characteristic

Precautionary Statements - Prevention
Wash hands thoroughly after handling
Keep out of reach of children

Precautionary Statements - Response
Get medical advice/attention if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Precautionary Statements - Storage
Keep out of reach of children
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Hazards not otherwise classified (HNOC)
May be harmful if swallowed

Other information
• May be harmful if swallowed
  General Hazards
  No information available
  No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12-C15 Alcohol Ethoxylate</td>
<td>68131-39-5</td>
<td>10 - 30</td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>10 - 30</td>
<td></td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES</td>
<td>68584-22-5</td>
<td>5 - 10</td>
<td></td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1 - 5</td>
<td></td>
</tr>
<tr>
<td>Subtilisin</td>
<td>9014-01-1</td>
<td>0.1 - 1</td>
<td></td>
</tr>
<tr>
<td>Benzene, C10-13-alkyl derivitives</td>
<td>67774-74-7</td>
<td>0.1 - 1</td>
<td></td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice
Get medical attention immediately if symptoms occur.

Eye contact
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin contact
Wash off with plenty of water.

Toxic - Inhalation
Move to fresh air.

Ingestion
Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.

Protection of First-aiders
Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Main Symptoms
Eye irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause inflammation. Chronic Effects. Not expected.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
No information available.

Specific hazards arising from the chemical
None in particular.

Hazardous Combustion Products
Not applicable.

Explosion Data
Sensitivity to Mechanical Impact None.
Sensitivity to Static Discharge None.

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
Avoid contact with the skin and the eyes.

Advice for emergency responders
For personal protection see section 8.

Environmental precautions

Environmental precautions
Prevent further leakage or spillage if safe to do so. See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.
7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions
Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging material
Keep consumer product in packaging product is initially sold in.

Incompatible products
None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

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>Glycerol</td>
<td>TWA: 15 mg/m³, total particulate</td>
<td>TWA: 5 mg/m³, respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(vacated) TWA: 10 mg/m³, total</td>
<td>TWA: 5 mg/m³, respirable fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>particulate</td>
<td>(vacated) TWA: 5 mg/m³,</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>respirable fraction</td>
<td></td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>IDLH: 3300 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1900 mg/m³</td>
<td>TWA: 1000 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 1000 ppm</td>
<td>TWA: 1900 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 1900 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Subtilisin</td>
<td>Ceiling: 0.00006 mg/m³ crystalline</td>
<td>(vacated) STEL: 0.00006 mg/m³</td>
<td>STEL: 0.00006 mg/m³ 60 min</td>
</tr>
<tr>
<td></td>
<td>active enzyme</td>
<td>60 min</td>
<td>Subtilisins</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>STEL: 6 ppm</td>
<td>TWA: 3 ppm</td>
<td>IDLH: 30 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 6 mg/m³</td>
<td>TWA: 3 ppm</td>
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<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 3 ppm</td>
<td>TWA: 8 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 8 mg/m³</td>
<td>STEL: 6 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 6 ppm</td>
<td>STEL: 15 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) STEL: 15 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face Protection
Safety glasses with side-shields.

Skin and body protection
No special protective equipment required.

Respiratory protection
No special protective equipment required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties
### 10. STABILITY AND REACTIVITY

**Reactivity**
Not expected

**Chemical stability**
Stable under normal conditions.

**Possibility of hazardous reactions**
None under normal processing.

**Hazardous Polymerization**
None under normal processing.

**Conditions to Avoid**
No information available.

**Incompatible Materials**
None known.

**Hazardous Decomposition Products**
None known.

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

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### Physical state
- **liquid**

### Appearance
- **Liquid Pack**

### Color
- **Colored**

### Odor
- **Characteristic**

### Odor threshold
- **No information available**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>7.8</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
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<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.048</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>250 cps</td>
<td></td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>

### Other information

- **Softening point**: No information available
- **Molecular weight**: No information available
- **VOC Content(%)**: No information available
- **Density**: No information available
- **Bulk Density**: No information available

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Page 5 / 9
**Toxic - Inhalation**
Not an expected route of exposure.

**Eye contact**
Irritating to eyes.

**Skin contact**
Avoid contact with skin.

**Ingestion**
May be harmful if swallowed.

### Component Information

**Information on toxicological effects**

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation**
No known effect.

**Eye damage/irritation**
Irritating to eyes.

**Sensitization**
No known effect.

**Germ cell mutagenicity**
No known effect.

**Carcinogenicity**
The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>A3</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

**ACGIH:** (American Conference of Governmental Industrial Hygienists)  
A3 - Animal Carcinogen  
**IARC:** (International Agency for Research on Cancer)  
Group 1 - Carcinogenic to Humans  
**NTP:** (National Toxicity Program)  
Known - Known Carcinogen  
**OSHA:** (Occupational Safety & Health Administration)  
X - Present

**Reproductive toxicity**
No known effect.

**Developmental Toxicity**
No known effect.

**STOT - single exposure**
No known effect.

**STOT - repeated exposure**
No known effect.

**Chronic toxicity**
Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

**Aspiration hazard**
No known effect.

### Numerical measures of toxicity - Product Information

**Unknown acute toxicity**
No information available

The following values are calculated based on chapter 3.1 of the GHS document.

- **ATEmix (oral)**: 2775 mg/kg
- **ATEmix (dermal)**: 4014 mg/kg

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

15.94504% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12-C15 Alcohol Ethoxylate</td>
<td>-</td>
</tr>
</tbody>
</table>
### 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

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

**Contaminated packaging**
Do not re-use empty containers.

### California Hazardous Waste Codes

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12-C15 Alcohol Ethoxylate 68131-39-5</td>
<td>-</td>
</tr>
<tr>
<td>Glycerol 56-81-5</td>
<td>-</td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5</td>
<td>-</td>
</tr>
<tr>
<td>Ethyl alcohol 64-17-5</td>
<td>Toxic Ignitable</td>
</tr>
<tr>
<td>Subtilisin 9014-01-1</td>
<td>-</td>
</tr>
<tr>
<td>Benzene, C10-13-alkyl derivatives 67774-74-7</td>
<td>-</td>
</tr>
</tbody>
</table>

### 14. TRANSPORT INFORMATION

**DOT**
Not regulated

**IATA**
Not regulated

**IMDG**
Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

| TSCA  | - |
| DSL/NDSL | - |
| EINECS/ELINCS | - |
| ENCS  | - |
| IECSC | - |
US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals at levels requiring a warning in the State of California.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol - 64-17-5</td>
<td>Carcinogen</td>
</tr>
<tr>
<td></td>
<td>Developmental</td>
</tr>
</tbody>
</table>

Chronic toxicity
Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

U.S. State Right-to-Know Regulations
This product contains substances regulated by state right-to-know regulations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>7732-18-5</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>56-81-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Sodium Sulfate</td>
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<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7757-82-6</td>
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<tr>
<td>Ethanolamine</td>
<td>X</td>
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</table>
U.S. EPA Label information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazard 1</th>
<th>Flammability 0</th>
<th>Instability 0</th>
<th>Physical and chemical hazards</th>
</tr>
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<tbody>
<tr>
<td>HMIS</td>
<td>Health hazard 1</td>
<td>Flammability 0</td>
<td>Physical Hazard 0</td>
<td>Personal protection X</td>
</tr>
</tbody>
</table>

Prepared By Sun Products Corporation
Regulatory Affairs

Revision Date 24-Aug-2017
Revision Note No information available

Disclaimer
The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Sun Products Corporation to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Sun Products Corporation assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

End of Material Safety Data Sheet