



SAFETY DATA SHEET

Revision Date: 24-Aug-2017

Version: 1

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) 72613161317,72613465880,72613466337,72613464302,72613460472,72613458516,72613458561,72613463364,72613465887,72613161311,72613466150,72613161314,72613458513,72613460479,72613458568

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 | Category 2A |
|-----------------------------------|-------------|

GHS Label elements, including precautionary statements

Emergency Overview

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

| Chemical Name | CAS-No | Weight % | Trade Secret |
|--|------------|----------|--------------|
| C12-C15 Alcohol Ethoxylate | 68131-39-5 | 10 - 30 | |
| Glycerol | 56-81-5 | 10 - 30 | |
| BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES | 68584-22-5 | 5 - 10 | |
| Ethyl alcohol | 64-17-5 | 1 - 5 | |
| Subtilisin | 9014-01-1 | 0.1 - 1 | |
| Benzene, C10-13-alkyl derivatives | 67774-74-7 | 0.1 - 1 | |

*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

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------------|--|--|---|
| Glycerol 56-81-5 | | TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction | |
| Ethyl alcohol 64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |
| Subtilisin 9014-01-1 | Ceiling: 0.00006 mg/m ³ crystalline active enzyme | (vacated) STEL: 0.00006 mg/m ³ 60 min | STEL: 0.00006 mg/m ³ 60 min Subtilisins |
| Ethanolamine 141-43-5 | STEL: 6 ppm TWA: 3 ppm | TWA: 3 ppm TWA: 6 mg/m ³ (vacated) TWA: 3 ppm (vacated) TWA: 8 mg/m ³ (vacated) STEL: 6 ppm (vacated) STEL: 15 mg/m ³ | IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ |

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

| | | | |
|---|--------------------------|-------------------------|--------------------------|
| Physical state | liquid | Odor | Characteristic |
| Appearance | Liquid Pack | Odor threshold | No information available |
| Color | Colored | | |
| Property | Values | Remarks • Method | |
| pH | 7.8 | | |
| Melting point | No information available | | |
| Boiling point/boiling range | No information available | | |
| Flash Point | No information available | | |
| Evaporation rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability Limits in Air | | | |
| Upper Flammability Limit | No information available | | |
| Lower Flammability Limit | No information available | | |
| Vapor pressure | No information available | | |
| Vapor density | No information available | | |
| Specific Gravity | 1.048 | | |
| Water solubility | Soluble in water | | |
| Solubility in other solvents | No information available | | |
| Partition coefficient: n-octanol/water | No information available | | |
| Autoignition temperature | No information available | | |
| Decomposition temperature | No information available | | |
| Viscosity, kinematic | 250 cps | | |
| Viscosity, dynamic | No information available | | |
| Explosive properties | No information available | | |
| Oxidizing Properties | No information available | | |

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 |

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

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.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl alcohol 64-17-5 | A3 | Group 1 | Known | X |

*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

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

| Chemical Name | Partition coefficient |
|----------------------------|-----------------------|
| C12-C15 Alcohol Ethoxylate | - |

| | |
|--|-------|
| 68131-39-5 | |
| Glycerol 56-81-5 | -1.76 |
| BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES 68584-22-5 | 2 |
| Ethyl alcohol 64-17-5 | -0.32 |
| Subtilisin 9014-01-1 | - |
| Benzene, C10-13-alkyl derivatives 67774-74-7 | - |

Other adverse effects No information available

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

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

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA -
DSL/NDL -
EINECS/ELINCS -
ENCS -
IECSC -

KECL -
PICCS -
AICS -

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 Commercial Chemical Substances/EU 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
AICS - Australian Inventory of Chemical Substances

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

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

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.

| Chemical Name | California Prop. 65 |
|-------------------------|-----------------------------|
| Ethyl alcohol - 64-17-5 | Carcinogen Developmental |

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

U.S. State Right-to-Know Regulations

This product contains substances regulated by state right-to-know regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Water 7732-18-5 | | | X |
| Glycerol 56-81-5 | X | X | X |
| Propylene Glycol 57-55-6 | X | | X |
| Ethyl alcohol 64-17-5 | X | X | X |
| Sodium Sulfate 7757-82-6 | | X | X |
| Ethanolamine | X | X | X |

| | | | |
|----------|--|--|--|
| 141-43-5 | | | |
|----------|--|--|--|

U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

| | | | | |
|--------------------|------------------------|-----------------------|--------------------------|--|
| <u>NFPA</u> | Health hazard 1 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| <u>HMIS</u> | Health hazard 1 | Flammability 0 | Physical Hazard 0 | Personal protection X |

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