Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Label Name</th>
<th>Member's Mark Liquid Laundry Detergent - Fresh Clean 177oz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product name</td>
<td>MEMBERS MARK 2/177Z HDU FRESH CLEAN HE</td>
</tr>
<tr>
<td>UPC Code</td>
<td>30078742035766</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Laundry detergent liquid for clothes washing machines.</td>
</tr>
</tbody>
</table>

Supplier Address
Sun Products Corporate Office
60 Danbury Road
Wilton, CT 06897
USA

Chemical Emergency Phone Number
Chemtrec 1-800-424-9300 (24 hour)
Poison Control 1-800-222-1222 (24 hour)

Company Emergency Phone Number
Prosar: 1-800-565-5597 (24 hours)

General Questions:
General - 1-800-776-6702 (Monday – Friday, 8:30AM to 6:00PM EST)

XCONG

2. HAZARDS IDENTIFICATION

ATTENTION

Emergency Overview
May cause central nervous system depression
Keep out of the reach of children

Potential Health Effects
See Section 11 for additional Toxicological information.

Ingestion
May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not taste or swallow.
Eyes
May cause slight irritation. Avoid contact with eyes.

Skin
Substance may cause slight skin irritation.

Inhalation
May be harmful if inhaled.

Chronic Effects
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. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

Aggravated Medical Conditions

Environmental hazard
See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS


<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12-C15 Alcohol Ethoxylate</td>
<td>68131-39-5</td>
<td>7-13</td>
</tr>
<tr>
<td>Sodium Laureth Sulfate</td>
<td>68585-34-2</td>
<td>5-10</td>
</tr>
<tr>
<td>Fatty Acids, 2-Sulfo, 1-Methyl Ester, Sodium Salts</td>
<td>149458-07-1</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, C10-16-ALKYL DERIVATIVES, SODIUM SALTS</td>
<td>68081-81-2</td>
<td>1 - 5 %</td>
</tr>
<tr>
<td>SODIUM BORATE</td>
<td>1330-43-4</td>
<td>1 - 5 %</td>
</tr>
</tbody>
</table>

Under normal consumer household use, this product would not constitute a hazardous product by OSHA definition as OSHA is not applicable to household consumer use.

4. FIRST AID MEASURES

General advice
Consult a physician.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact
Wash skin with soap and water.

Inhalation
Move to fresh air.

Ingestion
Rinse mouth. Do NOT induce vomiting. Call a physician or Poison Control Center immediately.

Notes to physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Not flammable.

Flash point
> 201 °F / > 94 °C

Flammability Limits in Air
Upper Flammability Limit
No information available

Lower Flammability Limit
No information available

Autoignition temperature
No information available

Hazardous Combustion Products
None.
Explosive properties
No information available

Explosion Limits
Upper (UEL) 
No information available
Lower (LEL) 
No information available

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

Unsuitable Extinguishing Media
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.

NFPA
Health Hazard 0
Flammability 1
Stability 0
Physical and chemical hazards -

HMIS
Health Hazard 0
Flammability 1
Physical Hazard 0
Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Ensure adequate ventilation.

Environmental precautions
Try to prevent the material from entering drains or water courses.

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

Methods for cleaning up
Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

Other information
not applicable.

7. HANDLING AND STORAGE

Advice on safe handling
Handle in accordance with good industrial hygiene and safety practice.

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

8. EXPOSURE CONTROLS/PERSOAL 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>Ethyl alcohol</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³</td>
<td>IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m³</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SODIUM BORATE</td>
<td>STEL: 6 mg/m³ TWA: 2 mg/m³ inhalable fraction (vacated) TWA: 10 mg/m³ (vacated) TWA: 1900 mg/m³</td>
<td>TWA: 1 mg/m³</td>
<td></td>
</tr>
<tr>
<td>1330-43-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TRIETHANOLAMINE</td>
<td>TWA: 5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>102-71-6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtilisin 9014-01-1</td>
<td>Ceiling: 0.00006 mg/m³ crystalline active enzyme (vacated) STEL: 0.00006 mg/m³ 60 min</td>
<td>STEL: 0.00006 mg/m³ 60 min Subtilisins</td>
<td></td>
</tr>
</tbody>
</table>

NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Engineering Measures
None under normal use conditions

Personal Protective Equipment
Eye/Face Protection
No protective equipment is needed under normal use conditions.

Skin and body protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>blue</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.06 SPECIFIC GRAVITY - 20C</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>550 cps</td>
</tr>
<tr>
<td>Method</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>no data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>VOC Content(%)</td>
<td>not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 201 °F / &gt; 94 °C</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>no data available</td>
</tr>
<tr>
<td>Upper (UEL)</td>
<td>no data available</td>
</tr>
<tr>
<td>Lower (LEL)</td>
<td>no data available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions.

Incompatible products
Strong oxidizing agents, strong acids, and strong bases.

Conditions to Avoid
Extremes of temperature and direct sunlight. Do not freeze.

Hazardous Decomposition Products
None known based on information supplied.

Hazardous Reactions
None known based on information supplied.

Hazardous Polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Ingestion
May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Do not taste or swallow.

Eye contact
May cause slight irritation. Avoid contact with eyes.

Skin contact
Prolonged skin contact may cause skin irritation.

Inhalation
May cause irritation of respiratory tract.

Product Safety Profile
Product is safe for its intended use based on the formulation, testing results, and the long history of safe consumer use.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>C12-C15 Alcohol Ethoxylate</td>
<td>2 g/kg (Rat)</td>
<td>2 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Sodium Laureth Sulfate</td>
<td>2000 mg/kg (rat)</td>
<td>4000 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Toxicity to algae</td>
<td>Toxicity to fish</td>
<td>Toxicity to microorganisms</td>
</tr>
<tr>
<td>------------------------------------</td>
<td>-------------------------------------</td>
<td>-----------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>SODIUM BORATE</td>
<td>158: 96 h Desmodesmus subspicatus mg/L EC50 2.6 - 21.8: 96 h Pseudokirchneriella subcapitata mg/L EC50 static</td>
<td>340: 96 h Limanda limanda mg/L LC50</td>
<td></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 alcoholic beverage. May cause adverse liver effects. Contains a known or suspected reproductive toxin.

**Carcinogenicity**

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

**ACGIH:** (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen

**IARC:** (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**NTP:** (National Toxicity Program)
Known - Known Carcinogen

**OSHA:** (Occupational Safety & Health Administration)
X - Present

**Sensitization**
None known.

**Germ Cell Mutagenicity**
None known.

**Reproductive toxicity**
This product does not contain any known or suspected reproductive hazards.

**Developmental Toxicity**
None known.

**Target Organ Effects**
Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system, Skin

**Interactions with Other Chemicals**
Use of alcoholic beverages may enhance toxic effects

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

**Persistence and degradability**

No data is available on the product itself.

**Bioaccumulation**

Not likely to bioaccumulate.

**Mobility**

Not Determined.

**13. DISPOSAL CONSIDERATIONS**
Waste Disposal Methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated packaging
Do not re-use empty containers

California Waste Status
This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT
Not regulated

TDG
Not regulated

MEX
Not regulated

IATA
Not regulated

IMDG
Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA
- 

DSL
- 

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. 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  no
Chronic Health Hazard  no
Fire Hazard  no
Sudden Release of Pressure Hazard  no
Reactive Hazard  no

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CERCLA
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

U.S. State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals:
U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Mexico

Mexico - Grade
Slight risk, Grade 1

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM BORATE</td>
<td></td>
<td>Mexico: TWA 1 mg/m³</td>
</tr>
</tbody>
</table>

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D2B Toxic materials

16. OTHER INFORMATION

Prepared By: Sun Products Corporation
Regulatory Affairs

Revision Date: 23-Oct-2013
Revision Note: no data 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