1. IDENTIFICATION

Product name: Suma® Star Hand Dishwashing Detergent
Product Code: 957227100, 957227290
SDS #: MS0800315
Recommended use:
• Industrial/Institutional
• Hand dishwash
• This product is intended to be diluted prior to use
• None known
Uses advised against:
Uses other than those identified are not recommended

Manufacturer, importer, supplier:
US Headquarters
Diversey, Inc.
1300 Altura Rd., Suite 125
Fort Mill, SC 29708
Phone: 1-888-352-2249
SDS Internet Address: https://sds.diversey.com

Canadian Headquarters
Diversey Canada, Inc.
3755 Laird Road Units 8-11
Mississauga, Ontario L5L 0B3
Phone: 1-800-668-7171

Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

Signal Word: Warning.

Hazard Statements
CAUSES SKIN AND SERIOUS EYE IRRITATION.

Precautionary Statements:
Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable
Physical hazards not otherwise classified (PHNOC) - Not applicable

Classification for the diluted product @ 1:800
This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and
Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard and Precautionary Statements
None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Classified Ingredients</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>7 - 13%</td>
</tr>
<tr>
<td>Sodium lauryl ether sulfate</td>
<td>9004-82-4</td>
<td>3 - 7%</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>1 - 5%</td>
</tr>
</tbody>
</table>

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

**Eyes:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
**Skin:** IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
**Inhalation:** No specific first aid measures are required.
**Ingestion:** IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water.

*Most Important Symptoms/Effects:* No information available.
*Immediate medical attention and special treatment needed:* Not applicable.

Diluted Product:

**Eyes:** Rinse with plenty of water.
**Skin:** No specific first aid measures are required
**Inhalation:** No specific first aid measures are required
**Ingestion:** IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

**Specific methods:** No special methods required
**Suitable extinguishing media:** Not applicable.
**Specific hazards:** Corrosive material (See sections 8 and 10).

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
**Extinguishing media which must not be used for safety reasons:** No information available.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Put on appropriate personal protective equipment (see Section 8.).
**Environmental precautions and clean-up methods:** Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin, eyes and clothing. Do not taste or swallow. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
**Storage:** Keep tightly closed in a dry, cool and well-ventilated place.
**Aerosol Level (if applicable):** Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines:** .
### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid  
**Evaporation Rate:** No information available  
**Odor threshold:** No information available  
**Melting point/range:** Not determined  
**Autoignition temperature:** No information available  
**Solubility in other solvents:** No information available  
**Density:** 8.59  
**Bulk density:** No information available  
**Flash point (°F):** >200°F > 93.4 °C  
**Viscosity:** No information available  
**VOC:** 1.55 %*  
**Flammability (Solid or Gas):** Not applicable  
**Sustained combustion:** Not applicable  
**Explosion limits:** - upper: Not determined - lower: Not determined  

**Dilution pH:** 5.48  
**Dilution Flash Point (°F):** > 200 °F > 93.4 °C  
**VOC % by wt. at use dilution:** 0

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

### 10. STABILITY AND REACTIVITY

**Reactivity:** Not Applicable  
**Stability:** The product is stable  
**Hazardous decomposition products:** None reasonably foreseeable.  
**Materials to avoid:** Do not mix with any other product or chemical unless specified in the use directions.  
**Conditions to avoid:** No information available.

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure:**  
Skin contact, Inhalation, Ingestion, Eye contact

**Delayed, immediate, or chronic effects and symptoms from short and long-term exposure:**
Skin contact: Causes skin irritation. Symptoms may include pain (which may be delayed), redness, and/or discomfort.
Eye contact: Causes serious eye irritation. Symptoms may include pain, redness, and watering.
Ingestion: May be irritating to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
Inhalation: May be irritating to nose, throat, and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization: No known effects.
Target Organs (SE): None known
Target Organs (RE): None known

Numerical measures of toxicity
ATE - Oral (mg/kg): 2700

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated
RCRA Hazard Class (diluted product): Not Regulated
Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT (Ground) Bill of Lading Description: NOT REGULATED
IMDG (Ocean) Bill of Lading Description: NOT REGULATED

15. REGULATORY INFORMATION

International Inventories at CAS# Level
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

RIGHT TO KNOW (RTK)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
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<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium dodecylbenzene sulfonate</td>
<td>25155-30-0</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>9004-82-4</td>
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<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>-</td>
</tr>
<tr>
<td>Magnesium sulfate heptahydrate</td>
<td>10034-99-8</td>
<td>-</td>
<td>-</td>
<td>-</td>
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CERCLA/ SARA

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
</table>

Suma® Star
Hand Dishwashing Detergent
### Canadian Regulations

<table>
<thead>
<tr>
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<th>NPRI</th>
</tr>
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<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>X</td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

**NFPA (National Fire Protection Association)**

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

- **Health**: 2
- **Flammability**: 0
- **Instability**: 0
- **Special Hazards**: -

**Diluted Product**:

- **Revision**: 2019-06-10
- **Version**: 02.0

**Reason for revision**: Not applicable

**Prepared by**: North American Regulatory Affairs

**Additional advice**: • Does not contain an added fragrance

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.*