



Suma Star D1 Hand Dishwashing Detergent

Version Number: 1

Preparation date: 2014-05-14

1. IDENTIFICATION

Product name: Suma Star D1 Hand Dishwashing Detergent
Product Code: 957227100, 957227280
SDS #: MS0800315
Recommended use:

- Industrial/Institutional
- Hand dishwash
- This product is intended to be diluted prior to use

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

| | |
|--|---|
| US Headquarters Diversey, Inc. 8310 16th St. Sturtevant, Wisconsin 53177-1964 Phone: 1-888-352-2249 MSDS Internet Address: www.diversey.com | Canadian Headquarters Diversey, Inc. - Canada 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-800-668-3131 |
|--|---|

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

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Serious eye damage/eye irritation Category 2A

**Signal Word:****Warning**

Precautionary Statements

CAUSES SERIOUS EYE IRRITATION.

Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. Drink a cupful of milk or water. 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. If eye irritation persists: Get medical advice/attention. 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 current Canadian Controlled Products Regulations (CPR).

Precautionary Statements

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

| Ingredient(s) | CAS # | Weight % |
|---------------------------------|------------|-----------|
| Sodium dodecylbenzene sulfonate | 25155-30-0 | 10 - 20% |
| Sodium lauryl ether sulfate | 9004-82-4 | 5 - 10% |
| Ethyl alcohol | 64-17-5 | 1% - < 3% |

*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. If eye irritation persists: Get medical advice/attention.

Skin: Rinse with plenty of water. If irritation occurs and persists, get medical 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.

Aggravated Medical Conditions: None known.

Diluted Product:

Eyes: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Skin: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Inhalation: No specific first aid measures are required.

Ingestion: Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required.

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards: Not applicable.

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. Wash thoroughly after handling. Do not taste or swallow. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.

Aerosol Level (if applicable): Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

| Ingredient(s) | CAS # | ACGIH | OSHA |
|---------------------------------|------------|-----------------|--|
| Sodium dodecylbenzene sulfonate | 25155-30-0 | - | - |
| Sodium lauryl ether sulfate | 9004-82-4 | - | - |
| Ethyl alcohol | 64-17-5 | 1000 ppm (STEL) | 1000 ppm (TWA) 1900 mg/m ³ (TWA) |

Undiluted Product:

Engineering measures to reduce exposure:

No special ventilation requirements General room ventilation is adequate

Personal Protective Equipment

| | |
|----------------------------------|--|
| Eye protection: | Chemical-splash goggles. |
| Hand protection: | Chemical-resistant gloves. |
| Skin and body protection: | No special requirements under normal use conditions. |
| Respiratory protection: | No special requirements under normal use conditions. |
| Hygiene measures: | Handle in accordance with good industrial hygiene and safety practice. |

Diluted Product:

Personal Protective Equipment

| | |
|----------------------------------|--|
| Eye protection: | No special requirements under normal use conditions. |
| Hand protection: | No special requirements under normal use conditions. |
| Skin and body protection: | No special requirements under normal use conditions. |
| Respiratory protection: | No special requirements under normal use conditions. |
| Hygiene measures: | Handle in accordance with good industrial hygiene and safety practice. |

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 lbs/gal 1.03 Kg/L

Bulk density: No information available

Flash point: > 200 °F > 93.3 °C

Dilution Flash Point: > 200 °F > 93.3 °C

Elemental Phosphorus: 0.00 % by wt.

pH: 6

Dilution pH: 5.48 @ 1:800

Metal Corrosion Not determined

Explosion limits: - upper: Not determined - lower: Not determined

Color: Clear, Green

Odor: No Odor/Odorless

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Relative Density (relative to water): 1.03

Vapor density: No information available

Vapor pressure: No information available.

Partition coefficient (n-octanol/water): No information available

Viscosity: No information available

VOC: 1.64 % *

VOC % by wt. at use dilution 0 % *

Flammability (Solid or Gas): Not applicable

* - 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:

None known.

Conditions to avoid:

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Eye contact, Skin contact, Inhalation

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Unlikely to be irritant in normal use.

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.

| Ingredient(s) | CAS # | NTP | IARC | OSHA |
|---------------|---------|-----|------|------|
| Ethyl alcohol | 64-17-5 | | - | |

Numerical measures of toxicity

ATE - Oral (mg/kg): 3500

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: This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations. 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.

Contaminated Packaging: Do not re-use empty containers.

RCRA Hazard Class (undiluted product): Not Regulated

RCRA Hazard Class (diluted product): Not Regulated

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up to date shipping information.

DOT (Ground) Bill of Lading Description: CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID

IMDG (Ocean) Bill of Lading Description: CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID

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).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65.

RIGHT TO KNOW (RTK)

| Ingredient(s) | CAS # | MARTK: | NJRTK: | PARTK: | RIRTK: |
|---------------------------------|------------|--------|--------|--------|--------|
| Water | 7732-18-5 | - | - | - | - |
| Sodium dodecylbenzene sulfonate | 25155-30-0 | X | X | X | X |
| Sodium lauryl ether sulfate | 9004-82-4 | - | - | - | - |
| Ethyl alcohol | 64-17-5 | X | X | X | - |
| Magnesium sulfate heptahydrate | 10034-99-8 | - | - | - | - |

CERCLA/ SARA

| Ingredient(s) | CAS # | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|---------------------------------|------------|----------|----------------------|-----------------------|-------------|
| Sodium dodecylbenzene sulfonate | 25155-30-0 | 10 - 20% | 1000 | | |

SARA 311/312 Hazard Categories

Immediate: X
Delayed: -
Fire: -

Reactivity: -
Sudden Release of Pressure: -

Canada

| Ingredient(s) | CAS # | NPRI |
|---------------|---------|------|
| Ethyl alcohol | 64-17-5 | X |

16. OTHER INFORMATION

NFPA

Health 2

Flammability 0

Instability 0

Version Number: 1

Preparation date: 2014-05-14

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: • Does not contain an added fragrance

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