# SAFETY DATA SHEET

## Suma Calc D5 Descaler

**Version Number:** 1  
**Preparation date:** 2014-05-22

### 1. IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name:</th>
<th>Suma Calc D5 Descaler</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code:</td>
<td>95330615</td>
</tr>
<tr>
<td>SDS #:</td>
<td>MS0800231</td>
</tr>
</tbody>
</table>
| Recommended use: | • Cleaning product  
|               | • 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**

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Metal Corrosion</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

**Signal Word:** Danger

**Precautionary Statements.**  
CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE DAMAGE. MAY BE CORROSIVE TO METALS.  
Avoid contact with eyes, skin and clothing. Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Keep only in original container. Wash affected areas thoroughly after handling. Wear chemical-splash goggles and chemical-resistant gloves. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. Immediately call a Poison Center (1-800-851-7145) or doctor/physician. Take off contaminated clothing and wash it before reuse. Absorb spillage to prevent material damage. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION.: Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release chlorine gas.
Health hazards not otherwise classified (HHNOC) - Not applicable
Physical hazards not otherwise classified (PHNOC) - Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Classified Ingredients</th>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Urea hydrochloride</td>
<td>506-89-8</td>
<td>30 - 40%</td>
</tr>
</tbody>
</table>

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**: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Ingestion**: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. 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**: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted 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 See undiluted product information above.

**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

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. Soak up with inert absorbent material. Shovel into suitable container for disposal. Clean up affected area with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. 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. Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS. Can react to release chlorine gas. 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: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Urea hydrochloride</td>
<td>506-89-8</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Undiluted Product:
Engineering measures to reduce exposure: Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

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:** 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.

9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Physical State:</th>
<th>Liquid</th>
<th>Color:</th>
<th>Clear, Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation Rate:</td>
<td>No information available</td>
<td>Odor:</td>
<td>No Odor/Odorless</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No information available.</td>
<td>Boiling point/range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not determined</td>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>No information available</td>
<td>Solubility:</td>
<td>Completely Soluble</td>
</tr>
<tr>
<td>Solubility in other solvents:</td>
<td>No information available</td>
<td>Relative Density (relative to water):</td>
<td>1.068</td>
</tr>
<tr>
<td>Density:</td>
<td>8.91 lbs/gal 1.068 Kg/L</td>
<td>Vapor density:</td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No information available</td>
<td>Vapor pressure:</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 200 °F &gt; 93.3 °C</td>
<td>Partition coefficient (n-octanol/water):</td>
<td>No information available</td>
</tr>
<tr>
<td>Dilution Flash Point:</td>
<td>&gt; 200 °F &gt; 93.3 °C</td>
<td>Viscosity:</td>
<td>No information available</td>
</tr>
<tr>
<td>Elemental Phosphorus:</td>
<td>0.00 % by wt.</td>
<td>VOC:</td>
<td>0.02 % *</td>
</tr>
<tr>
<td>pH:</td>
<td>0.5</td>
<td>VOC % by wt. at use dilution</td>
<td>0 % *</td>
</tr>
<tr>
<td>Dilution pH:</td>
<td>1.0 @ 1:15</td>
<td>Flammability (Solid or Gas):</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Metal Corrosion</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion limits: - upper:</td>
<td>Not determined</td>
<td>- lower:</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

* - 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: Strong oxidising agents. Bases. Ammonia. Do not mix with chlorinated products (such as bleach).
Conditions to avoid: No information available.

11. TOXICOLOGICAL INFORMATION

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

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: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.
Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.
Sensitization: No known effects.

Numerical measures of toxicity
ATE - Oral (mg/kg): 3200

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 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 MSDS, is 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): D002 Corrosive Waste
RCRA Hazard Class (diluted product): D002 Corrosive Waste

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: LTD. QTY.

IMDG (Ocean) Bill of Lading Description: UN3265, CORROSIVE, LIQUID, ACIDIC, ORGANIC, N.O.S., (urea hydrochloride), 8, III, LTD. QTY.

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)

<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>
<td>Water</td>
<td>7732-18-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Urea hydrochloride</td>
<td>506-89-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

### CERCLA/SARA

**SARA 311/312 Hazard Categories**

- Immediate: X
- Delayed: -
- Fire: -
- Reactivity: -
- Sudden Release of Pressure: -

### Canada

### 16. OTHER INFORMATION

**NFPA**

Health 3
Flammability 0
Instability 0

Version Number: 1
Preparation date: 2014-05-22

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

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