**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Crew Bathroom Cleaner & Scale Remover

**MSDS #:** MS0200012

**Product Code:** 3145310, 3172650, 5271230

**Recommended use:** Cleaning product. This product is intended to be diluted prior to use.

**Manufacturer, importer, supplier:**

**US Headquarters**
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-888-352-2249
MSDS Internet Address: www.johnsondiversey.com

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

**Canadian Headquarters**
Diversey, Inc. - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

**2. HAZARDS IDENTIFICATION**

**Principle routes of exposure:**
Eye contact  Skin contact  Inhalation  Ingestion

**Eye contact:** Severe eye irritation.
**Skin contact:** Moderately irritating to the skin.
**Inhalation:** May be irritating to nose, throat, and respiratory tract.
**Ingestion:** May be irritating to mouth, throat and stomach.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>LD50 Oral - Rat (mg/kg)</th>
<th>LD50 Dermal - Rabbit</th>
<th>LC50 Inhalation - Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactic acid</td>
<td>50-21-5</td>
<td>1 - 5%</td>
<td>3543</td>
<td>&gt;2 g/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>0.1 - 1.5%</td>
<td>3000</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>10 - 20%</td>
<td>3384</td>
<td>= 2700 mg/kg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

**4. FIRST AID MEASURES**

**Eye contact:** Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.

**Skin contact:** Flush immediately with plenty of water. If irritation persists, get medical attention.

**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention.

**Ingestion:** If swallowed, give a cupful of water or milk. THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: None known.
Unusual hazards: None known.
Specific methods: No special methods required.

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: Use personal protective equipment.
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 protective clothing is required.
- Respiratory protection: No special protective clothing is required.
- Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Aqueous solution
Vapor density: No information available
Color: Clear Dark Purple
Boiling point/range: Not determined
Autoignition temperature: No information available
Density: 8.88 lbs/gal 1.064 Kg/L
Partition coefficient (n-octanol/water): No information available
Solubility in other solvents: No information available
Elemental Phosphorus: 0.0 % by wt.
pH: 4.1
Dilution pH: 3.15 @ 1:18

Bulk density: No information available
Evaporation Rate No information available
Specific gravity: 1.064
Odor: Glycol Ether
Melting point/range: Not determined
Decomposition temperature: Not determined
Flash point: > 200 °F > 93.4 °C
Solubility: Completely Soluble
Viscosity: No information available
VOC: 0.042 % *

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

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

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerization does not occur.
Hazardous decomposition products: None reasonably foreseeable.
Conditions to avoid: Do not freeze.

Crew Bathroom Cleaner & Scale Remover
11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be between 2000 - 3000 mg/kg. Dermal LD50 estimated to be > 2000 mg/kg.

Component Information: See Section 3.

Chronic toxicity: None known

Specific effects:
- Carcinogenic effects: None known
- Mutagenic effects: None known
- Reproductive toxicity: None known
- Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of according to all federal, state and local applicable regulations.

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

International Inventories
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>Lactic acid</td>
<td>50-21-5</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Alcohol ethoxylate</td>
<td>68002-97-1</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Potassium Citrate</td>
<td>866-84-2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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>
<tbody>
<tr>
<td>Diethylene glycol butyl ether</td>
<td>112-34-5</td>
<td>10 - 20%</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories
- Immediate: x
- Delayed: -
- Fire: -
- Reactivity: -
- Sudden Release of Pressure: -

Canada

WHMIS hazard class: D2B Toxic materials

Crew Bathroom Cleaner & Scale Remover
16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None.

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