**Crew Tile And Grout Rejuvenator**

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Crew Tile And Grout Rejuvenator

**MSDS #:** MS0300825

**Product Code:** 04550

**Recommended use:** Tile and grout restorer. This product is intended to be used neat.

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

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

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**WARNING.** CAUSES EYE AND SKIN IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. USE ONLY IN WELL-VENTILATED AREAS. DO NOT MIX WITH ACIDS, TOILET BOWL CLEANERS, AMMONIA, OR ANY OTHER CHEMICAL.

**Principal routes of exposure:**
- **Eye contact:** Severe eye irritation.
- **Skin contact:** Moderately irritating to the skin.
- **Inhalation:** May be irritating to nose, throat, and respiratory tract. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma, emphysema, or obstructive lung disease.
- **Ingestion:** May cause irritation 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>Sodium hypochlorite</td>
<td>7681-52-9</td>
<td>1 - 5%</td>
<td>5000</td>
<td>&gt;10000 mg/kg</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>0.1 - 1.5%</td>
<td>500</td>
<td>1350 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:** Rinse mouth with water. 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:** Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects. 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: Thermal decomposition can lead to release of irritating gases and vapors.
Unusual hazards: Decomposition releases oxygen, which may intensify fire.
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: 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. Avoid breathing vapors or mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. DO NOT MIX WITH ACIDS, TOILET BOWL CLEANERS, AMMONIA, OR ANY OTHER CHEMICAL. Can react to release chlorine gas. 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 |

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
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</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>2 mg/m³ (Ceiling)</td>
<td>2 mg/m³ (TWA)</td>
<td>2 mg/m³ (Ceiling)</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Appearance: Liquid Aqueous solution
Specific gravity: 1.046
Vapor density: No information available
Boiling point/range: Not determined
Decomposition temperature: Not determined
Solubility: Completely Soluble
Solubility in other solvents: No information available
Partition coefficient (n-octanol/water): No information available
Elemental Phosphorus: 0.00 % by wt.
pH: 13.1
Explosion limits: - upper: Not determined - lower: Not determined

Bulk density: No information available
Evaporation Rate: No information available
Color: Clear Light Yellow
Odor: Chlorine Medicinal
Melting point/range: Not determined
Autoignition temperature: No information available
Density: 8.76 lbs/gal 1.05 Kg/L
Flash point: > 200 °F > 93.4 °C
Viscosity: No information available
VOC: 0 % *
Dilution pH: 13.1 @ RTU

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

10. STABILITY AND REACTIVITY

Crew Tile And Grout Rejuvenator
Stability: The product is stable
Polymerization: Hazardous polymerization does not occur
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors. Oxygen.
Materials to avoid: Acids. Ammonia. Do not mix with any other product or chemical.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be greater than 5000 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:
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.
RCRA Hazard Class: D002 Corrosive Waste

14. TRANSPORT INFORMATION

DOT Bill of Lading Description: CLEANING, WASHING, BUFFING, OR POLISHING COMPOUNDS LIQUID
IMDG 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

<table>
<thead>
<tr>
<th>RIGHT TO KNOW (RTK)</th>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
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<td>Water</td>
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<td>-</td>
<td>-</td>
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<tr>
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<td>7681-52-9</td>
<td>X</td>
<td>X</td>
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<tr>
<td></td>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>X</td>
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<table>
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<tr>
<th>CERCLA/SARA</th>
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<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
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<tbody>
<tr>
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<td>Sodium hypochlorite</td>
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<td>1 - 5%</td>
<td>100</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>0.1 - 1.5%</td>
<td>1000</td>
<td></td>
<td></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

16. OTHER INFORMATION

Reason for revision:  Not applicable
Prepared by:  NAPRAC
Additional advice:
- This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

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