



## Crew Heavy Duty Toilet Bowl Cleaner

Version Number: 3

Preparation date: 2015-02-16

### 1. IDENTIFICATION

**Product name:** Crew Heavy Duty Toilet Bowl Cleaner  
**Product Code:** 04560  
**SDS #:** MS0800450  
**Recommended use:**

- Disinfectant
- Cleaning product
- This product is intended to be used neat.

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

**Manufacturer, importer, supplier:**

|  |  |
|--|--|
| US Headquarters<br>Diversey, Inc.<br>8310 16th St.<br>Sturtevant, Wisconsin 53177-1964<br>Phone: 1-888-352-2249<br>MSDS Internet Address: www.diversey.com | Canadian Headquarters<br>Diversey, Inc. - Canada<br>3755 Laird Road<br>Mississauga, Ontario L5L 0B3<br>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

|  |             |
|--|-------------|
| Skin corrosion/irritation                        | Category 1B |
| Serious eye damage/eye irritation                | Category 1  |
| Specific target organ toxicity (single exposure) | Category 3  |
| Metal Corrosion:                                 | Category 1  |



**Signal Word:** Danger.

#### Precautionary Statements

**CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. MAY BE CORROSIVE TO METALS.**

Avoid contact with eyes, skin and clothing. Causes burns/ serious damage to mouth, throat and stomach. Keep only in original container. Avoid breathing vapors. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear chemical-splash goggles, chemical-resistant gloves and protective footwear. 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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. 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 physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Store in a well-ventilated place. Keep container tightly closed. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable

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regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Can react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat.

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

**Percentage of unknown Acute Toxicity** 1

**Classification for the diluted product @ RTU**

This product is intended to be used neat.

**Precautionary Statements**

None required.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Classified Ingredients**

| Ingredient(s)                             | CAS #      | Weight %      |
|---|------------|---------------|
| Hydrochloric acid                         | 7647-01-0  | 20 - 30%      |
| Alcohol ethoxylates                       | 68131-39-5 | 1% - < 3%     |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | > 0.1% - < 1% |

\*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 (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

**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.

**Notes to physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**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:**

This product is intended to be used neat.

**Eyes:** See undiluted product information above.

**Skin:** See undiluted product information above.

**Inhalation:** See undiluted product information above.

**Ingestion:** See undiluted product information above.

**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:**

Thermal decomposition can lead to release of irritating gases and vapors.

**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. 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. May react to release hazardous gases. May vigorously react with strong alkaline products resulting in spattering and excessive heat. 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   |
|---|------------|-----------------|--|
| Hydrochloric acid                         | 7647-01-0  | 2 ppm (Ceiling) | 5 ppm (Ceiling)<br>7 mg/m <sup>3</sup> (Ceiling) |
| Alcohol ethoxylates                       | 68131-39-5 | -               | -  |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | -               | -  |

**Undiluted Product:****Engineering measures to reduce exposure:**

Use only in well-ventilated areas 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:**

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice.

**Diluted Product:**

This product is intended to be used neat.

**Personal Protective Equipment****Eye protection:**

Chemical-splash goggles.

**Hand protection:**

Chemical-resistant gloves.

**Skin and body protection:**

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

**Respiratory protection:**

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**Hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Liquid

**Color:** Opaque, Blue Green

**Evaporation Rate:** No information available

**Odor:** Minty

**Odor threshold:** No information available.

**Boiling point/range:** Not determined

**Melting point/range:** Not determined

**Decomposition temperature:** Not determined

**Autoignition temperature:** No information available

**Solubility:** Completely Soluble

**Solubility in other solvents:** No information available

**Relative Density (relative to water):** 1.118

**Density:** 9.32 lbs/gal 1.118 Kg/L

**Vapor density:** No information available

**Bulk density:** No information available

**Vapor pressure:** No information available.

**Flash point:** > 200 °F > 93.3 °C

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

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

**Viscosity:** No information available

**Elemental Phosphorus:** 0 % by wt.

**VOC:** 0 % \*

**pH:** 1

**VOC % by wt. at use dilution** 0 % \*

**Dilution pH:** 1 @ RTU

**Flammability (Solid or Gas):** Not applicable

**Metal Corrosion:** Not determined

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

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Reactivity:</b>                         | Not Applicable  |
| <b>Stability:</b>                          | The product is stable   |
| <b>Possibility of hazardous reactions:</b> | May vigorously react with strong alkaline products resulting in spattering and excessive heat.  |
| <b>Hazardous decomposition products:</b>   | Hydrogen chloride.  |
| <b>Materials to avoid:</b>                 | Strong bases. Ammonia. Do not mix with chlorinated products (such as bleach). Do not mix with any other product or chemical unless specified in the use directions. |
| <b>Conditions to avoid:</b>                | Do not mix with any other product or chemical.  |

## 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:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).

**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):** >5000

**Percentage of unknown Acute** 1

**Toxicity**

## 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:** Pesticide product disposal requirements vary by package size and type. Pesticides include disinfectants and sanitizers. See product label for complete disposal instructions. Always dispose of according to all federal, state and local applicable regulations. 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.

**Contaminated Packaging:** Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** D002 Corrosive Waste

## 14. TRANSPORT INFORMATION

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

**DOT (Ground) Bill of Lading Description:** LTD. QTY.

**IMDG (Ocean) Bill of Lading Description:** UN1789, HYDROCHLORIC ACID SOLUTION, 8, II, 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).

### U.S. Regulations

**EPA Reg. No. :** 8155-3-70627

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

**DANGER: CORROSIVE.** Causes eye and skin damage. May be fatal if swallowed. Do not breathe vapor or fumes. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Use with adequate ventilation. **PHYSICAL AND CHEMICAL HAZARDS: NEVER USE WITH CHLORINE PRODUCTS...** these can react to give chlorine gas. If this occurs, flush toilet to remove chemicals and leave area. Do not return for half an hour. Ventilate if possible. Never use or mix with other cleaners or chemicals. Do not use on any surface that can be damaged by acidic materials. Many surfaces are not resistant to acid. Do not use on PVD finished surfaces.

**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   | -      | -      | -      | -      |
| Hydrochloric acid                         | 7647-01-0   | X      | X      | X      | X      |
| Opacifier                                 | Proprietary | -      | -      | -      | -      |
| Alcohol ethoxylates                       | 68131-39-5  | -      | -      | -      | -      |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1  | -      | -      | -      | -      |

### CERCLA/ SARA

| Ingredient(s)     | CAS #     | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|-------------------|-----------|----------|----------------------|-----------------------|-------------|
| Hydrochloric acid | 7647-01-0 | 20 - 30% | 5000                 | 5000                  | X           |

| Ingredient(s)     | CAA HAP | CAA ODS | CWA Priority Pollutants |
|-------------------|---------|---------|-------------------------|
| Hydrochloric acid | X       |         |                         |

### SARA 311/312 Hazard Categories

**Immediate:** x  
**Delayed:** -  
**Fire:** -  
**Reactivity:** -  
**Sudden Release of Pressure:** -

### Canadian Regulations

**WHMIS hazard class:** Not for sale in Canada.

| Ingredient(s)     | CAS #     | NPRI |
|-------------------|-----------|------|
| Hydrochloric acid | 7647-01-0 | X    |

## 16. OTHER INFORMATION

### NFPA (National Fire Protection Association)

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

**Health** 3  
**Flammability** 0  
**Instability** 0

**Version Number:** 3  
**Preparation date:** 2015-02-16

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:** • Contains an added fragrance, see "Odor" heading in section 9 for specific description

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