



Crew Heavy Duty Toilet Bowl Cleaner (US)

| HMIS | NFPA | Personal protective equipment |
|---------------------------------|------|-------------------------------|
| Health 3 | 3 | |
| Flammability 0 | 0 | |
| Physical Hazard / Instability 1 | 1 | |

Version Number: 0

Preparation date: 2012-03-29

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Crew Heavy Duty Toilet Bowl Cleaner (US)

MSDS #: MS0300943

Product Code: 04560

Recommended use: Disinfectant. Cleaning product. This product is intended to be used neat.

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

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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER. POISON. CORROSIVE. CAUSES SKIN AND EYE BURNS. MAY BE FATAL IF SWALLOWED. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Avoid breathing vapors or mists.

Principal routes of exposure: Eye contact. Skin contact. Inhalation. Ingestion.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Skin contact: Corrosive. Causes permanent damage.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: May be fatal if swallowed. Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient(s) | CAS # | Weight % | LD50 Oral - Rat (mg/kg) | LD50 Dermal - Rabbit | LC50 Inhalation - Rat |
|-------------------|-----------|----------|-------------------------|----------------------|-----------------------|
| Hydrochloric acid | 7647-01-0 | 20 - 30% | 700 | >5010 mg/kg | 3124 ppm (1 h) |

4. FIRST AID MEASURES

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call medical attendant, medical doctor, or poison control center. Get medical attention immediately.

Skin contact: Take off contaminated clothing. Immediately flush with plenty of water for 15-20 minutes. Call medical attendant, medical doctor, or poison control center.

Inhalation: If breathing is affected, remove to fresh air. If person is not breathing, call 911 or an ambulance and then give artificial respiration, preferably by mouth to mouth, if possible. Get medical attention immediately.

Ingestion: Call medical attendant, doctor, or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

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

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., 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: Corrosive material (See sections 8 and 10).
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. 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. **DO NOT MIX WITH AMMONIA, BLEACH, OR OTHER CHLORINATED COMPOUNDS.** May react to release hazardous gases. **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:
 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: 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

| Ingredient(s) | CAS # | ACGIH | OSHA | Mexico |
|-------------------|-----------|-----------------|---|---|
| Hydrochloric acid | 7647-01-0 | 2 ppm (Ceiling) | 5 ppm (Ceiling) 7 mg/m ³ (Ceiling) | 5 ppm (Ceiling) 7 mg/m ³ (Ceiling) |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| <p>Physical State: Liquid Appearance: Viscous liquid Specific gravity: 1.118 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 % by wt. pH: 1 Explosion limits: - upper: Not determined - lower: Not determined</p> | <p>Bulk density: No information available Evaporation Rate: No information available Color: Opaque Blue Green Odor: Minty Melting point/range: Not determined Autoignition temperature: No information available Density: 9.32 lbs/gal 1.12 Kg/L Flash point: > 200 °F > 93.4 °C Viscosity: No information available VOC: 0 % * Dilution pH: 1 @ RTU</p> |
|--|---|

* - 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: | Hydrogen chloride. |
| Materials to avoid: | Do not mix with chlorinated products. Strong oxidising agents. Strong bases. |
| Conditions to avoid: | Do not mix with any other product or chemical . |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------|--|
| Acute toxicity: | Corrosive. Oral LD50 estimated to be between 500 - 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

Do not contaminate water, food, or feed by storage or disposal

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.

Pesticide Storage:

Store in original container in areas inaccessible to children. Open dumping is prohibited. Do not reuse empty container

Pesticide Disposal:

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or residue is a violation of Federal Law

Container Disposal:

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.

RCRA Hazard Class: D002 Corrosive Waste

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Please refer to the Diversy HazMat Library, <http://naextranet.diversey.com/dot/>, for up to date shipping information

DOT Bill of Lading Description: LTD. QTY.

IMDG 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

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

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 |

| Component | CAA HAP | CAA ODS | CWA Priority Pollutants |
|---|---------|---------|-------------------------|
| Hydrochloric acid 7647-01-0 (20 - 30%) | X | | |

SARA 311/312 Hazard Categories

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

16. OTHER INFORMATION

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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