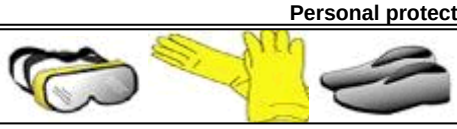
# CREW SHOWER, TUB & TILE CLEANER HC

| HMIS | | NFPA | Personal protective equipment |
|---|---|---|---|
| **Health** | 3 | 3 |  |
| **Fire Hazard** | 0 | 0 | |
| **Reactivity** | 0 | 0 | |

Version Number: 0

Preparation date: 2010-06-17

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** CREW SHOWER, TUB & TILE CLEANER HC

**MSDS #:** MS0300686
**Product Code:** 04970, 5497693
**Recommended use:** Restroom Care. 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.diversey.com

Canadian Headquarters
Diversey, Inc. - Canada, Inc.
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

**EMERGENCY OVERVIEW**
DANGER. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS.

**Principal routes of exposure:** Eye contact. Skin contact. Inhalation.
**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:** 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 |
|---|---|---|---|---|---|
| Phosphoric acid | 7664-38-2 | 60 - 70% | 1530 | 2730 mg/kg | >>850 mg/m$^3$ (1 h) |
| Diethyl phthalate | 84-66-2 | 0.1 - 1.5% | 8600 | Not available | Not available |

## 4. FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with running water for 15-20 minutes, keeping eyelids open. Get medical attention immediately.
**Skin contact:** Immediately flush with plenty of water for 15-20 minutes . Get medical attention immediately.
**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention immediately.
**Ingestion:** If swallowed, rinse mouth. 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

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
**Specific hazards:** Not applicable
**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:** Use personal protective equipment
**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 . Can react to release chlorine gas . FOR COMMERICAL 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 |
|---|---|---|---|---|
| Phosphoric acid | 7664-38-2 | 3 mg/m³ (STEL)<br>1 mg/m³ (TWA) | 1 mg/m³ (TWA) | 3 mg/m³ (STEL)<br>1 mg/m³ (TWA) |
| Diethyl phthalate | 84-66-2 | 5 mg/m³ (TWA) | | 10 mg/m³ (STEL)<br>5 mg/m³ (TWA) |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid
**Appearance:** Liquid
**Specific gravity:** 1.3613
**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:** 16.77 % by wt.
**pH:** 0.56
**Explosion limits: - upper:** Not determined **- lower:** Not determined

**Bulk density:** No information available
**Evaporation Rate** No information available
**Color:** Clear Dark Red
**Odor:** Fresh
**Melting point/range:** Not determined
**Autoignition temperature:** No information available
**Density:** 11.34 lbs/gal 1.36 Kg/L
**Flash point:** > 200 °F > 93.4 °C
**Viscosity:**No information available
**VOC:** 0 % *
**Dilution pH:** 1.03 @ 1:40

* - 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.
**Materials to avoid:** Strong bases. Ammonia. Oxidizing agents. Do not mix with chlorinated products.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** Corrosive. Oral LD50 estimated to be between 4000 - 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:**
Dispose of according to all federal, state and local applicable regulations. Undiluted product is regulated under environmental and transportation laws as a corrosive waste.
**RCRA Hazard Class:** D002

## 14. TRANSPORT INFORMATION

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

**DOT Bill of Lading Description:** UN3264, CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID), 8, III, LTD. QTY.

**IMDG Bill of Lading Description:** UN3264, Corrosive liquid, acidic, inorganic, n.o.s., (Phosphoric acid), 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)**

| Ingredient(s) | CAS # | MARTK: | NJRTK: | PARTK: | RIRTK: |
|---|---|---|---|---|---|
| Sodium lauriminodipropionate | 14960-06-6 | - | - | - | - |
| Alcohol ethoxylates | 68439-46-3 | - | - | - | - |
| Phosphoric acid | 7664-38-2 | X | X | X | X |
| Water | 7732-18-5 | - | - | - | - |
| Diethyl phthalate | 84-66-2 | X | X | X | X |

**CERCLA/ SARA**

| Ingredient(s) | CAS # | Weight % | CERCLA/SARA RQ (lbs) | Section 302 TPQ (lbs) | Section 313 |
|---|---|---|---|---|---|
| Phosphoric acid | 7664-38-2 | 60 - 70% | 5000 | | |
| Diethyl phthalate | 84-66-2 | 0.1 - 1.5% | 1000 | | |

| Ingredient(s) | CAA HAP | CAA ODS | CWA Priority Pollutants |
|---|---|---|---|
| Diethyl phthalate | | | X |

**SARA 311/312 Hazard Categories**

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

**Canada**

**WHMIS hazard class:** E Corrosive material

| Ingredient(s) | CAS # | NPRI |
|---|---|---|
| Diethyl phthalate | 84-66-2 | X |

## 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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