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MSDS

**Common Name:** CREW CLINGING TOILET BOWL CLEANER**Manufacturer:** DIVERSEY**MSDS Revision Date:** 8/4/2010**Grainger Item Number(s):** 10A369**Manufacturer Model Number(s):**

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MATERIAL SAFETY DATA SHEET

DIVERSEY(R\*)

CREW CLINGING TOILET BOWL CLEANER

	HMIS	NFPA
HEALTH	3	3
FIRE HAZARD	0	0
REACTIVITY	0	0

PERSONAL PROTECTIVE EQUIPMENT:  
CHEMICAL GOGGLES  
GLOVES  
BOOTS

VERSION NUMBER: 0

PREPARATION DATE: 2010-08-04

## 1. PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME: CREW CLINGING TOILET BOWL CLEANER

MSDS #: MS0300749

PRODUCT CODE: 04578

RECOMMENDED USE:

INDUSTRIAL/INDUSTRIAL. RESTROOM CARE. 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. CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED.

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 %
n-ALKYL (60% C14, 30% C16, 5% C12, 5% C18) DIMETHYL BENZYL AMMONIUM CHLORIDE	68391-01-5	0.3
n-ALKYL (68% C14, 32% C16) DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	68956-79-6	0.3
HYDROCHLORIC ACID	7647-01-0	9.25%

INGREDIENT(S)	LD50 ORAL- RAT MG/KG	LD50 DERMAL - RABBIT	LC50 INHALATION - RAT
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n-ALKYL (60% C14, 30% C16, 5% C12, 5% C18) DIMETHYL BENZYL AMMONIUM CHLORIDE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
n-ALKYL (68% C14, 32% C16) DIMETHYL ETHYLBENZYL AMMONIUM CHLORIDE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
HYDROCHLORIC ACID	NOT AVAILABLE	>5010 MG/KG	=3124 PPM (1H)

## 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. GET MEDICAL ATTENTION IMMEDIATELY.

### SKIN CONTACT:

TAKE OFF CONTAMINATED CLOTHING. RINSE SKIN IMMEDIATELY WITH PLENTY OF  
WATER FOR 15-20 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY.

### 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: 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:

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. DO NOT MIX WITH CHLORINE BLEACH, ACIDS, OR ANY OTHER PRODUCT OR CHEMICAL. 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:

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/M3 (CEILING)	5 PPM (CEILING) 7 MG/M3 (CEILING)

## 9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID

BULK DENSITY: NO INFORMATION AVAILABLE

APPEARANCE: LIQUID

EVAPORATION RATE: NO INFORMATION AVAILABLE

SPECIFIC GRAVITY: 1.05

COLOR: CLEAR GREEN

VAPOR DENSITY: NO INFORMATION AVAILABLE

ODOR: FLORAL

BOILING POINT/RANGE: NOT DETERMINED

MELTING POINT/RANGE: NOT DETERMINED

DECOMPOSITION TEMPERATURE: NOT DETERMINED

AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE

SOLUBILITY: COMPLETELY SOLUBLE

DENSITY:

8.76 LBS/GAL

1.05 KG/L

SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE

FLASH POINT:

>200 DEG. F

>93.4 DEG. C

PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE

VISCOSITY: NO INFORMATION AVAILABLE

ELEMENTAL PHOSPHORUS: 0.00% BY WT.

VOC: 0% \*

pH: 1.0

DILUTION pH: 1.0 @ RTU

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.

MATERIALS TO AVOID: STRONG BASES. OXIDISING AGENTS.

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 BETWEEN 2000 - 5000 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

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 RINSATE 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

## 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)

## U.S. REGULATIONS:

EPA REG. NO.: 70627-5

## 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
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HYDROCHLORIC ACID	7647-01-0	9.25%	5000	5000	X
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COMPONENT	CAA HAP	CAA ODS	CWA PRIORITY POLLUTANTS
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HYDROCHLORIC ACID	X		
7647-01-0 (9.25%)			

## SARA 311/312 HAZARD CATEGORIES:

IMMEDIATE	(X)
DELAYED	( )
FIRE	( )
REACTIVITY	( )
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.

## NOTICE TO READER:

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED  
TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR  
IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED WITHIN. ACTUAL  
CONDITIONS OF USE AND HANDLING ARE BEYOND SELLER'S CONTROL. USER IS  
RESPONSIBLE TO EVALUATE ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR  
ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND  
LOCAL LAWS AND REGULATIONS.