



**Common Name:** TOUGH BOWL TOILET BOWL CLEANER

**Manufacturer:** JOHNSON DIVERSEY

**MSDS Revision Date:** 1/12/2007

**Grainger Item Number(s):** 5NF23

**Manufacturer Model Number(s):**

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RAMSEY (TM/MC)  
BY JOHNSON DIVERSEY

TOUGH BOWL TOILET BOWL CLEANER

MATERIAL SAFETY DATA SHEET

VERSION NUMBER: 1

PREPARATION DATE: 2007-01-12

**1. PRODUCT AND COMPANY IDENTIFICATION**



PRODUCT NAME: TOUGH BOWL TOILET BOWL CLEANER

MSDS #: MS0100907

PRODUCT CODE: 6281320

RECOMMENDED USE: RESTROOM CARE.

MANUFACTURER, IMPORTER, SUPPLIER:  
US HEADQUARTERS  
JOHNSON DIVERSEY, INC.  
8310 16TH ST.  
STURTEVANT, WISCONSIN 53177-0902

RAMSEY INFORMATION PHONE: 1-800-421-2768

MSDS INTERNET ADDRESS: WWW.RAMSEYCOMPANY.COM

EMERGENCY TELEPHONE NUMBER:  
1-800-228-5635 (PROSAR)  
1-651-917-6133 (INT'L PROSAR)  
01-800-710-3400 (MEXICO)

2. HAZARDS IDENTIFICATION



EMERGENCY OVERVIEW:  
DANGER  
CORROSIVE  
CAUSES SKIN AND EYE BURNS  
HARMFUL OR FATAL IF SWALLOWED

PRINCIPLE 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



HAZARDOUS COMPONENTS:

INGREDIENT(S)	CAS#	WEIGHT %
HYDROCHLORIC ACID	7647-01-0	5-10%

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.

EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:  
NO INFORMATION AVAILABLE

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

SPECIFIC HAZARDS: NOT APPLICABLE

UNUSUAL HAZARDS: CORROSIVE MATERIAL (SEE SECTIONS 8 AND 10).

SPECIFIC METHODS: NO SPECIAL METHODS REQUIRED

NFPA:  
HEALTH 3  
FLAMMABILITY 0  
INSTABILITY 0

6. ACCIDENTAL RELEASE MEASURES



PERSONAL PRECAUTIONS: USE PERSONAL PROTECTIVE EQUIPMENT

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:  
CLEAN-UP METHODS - LARGE SPILLAGE. SOAK UP WITH INERT ABSORBENT MATERIAL.  
SWEEP UP AND SHOVEL INTO SUITABLE CONTAINERS FOR DISPOSAL. 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. MIX ONLY WITH WATER. DO NOT MIX WITH AMMONIA, BLEACH, OR  
OTHER CHLORINATED COMPOUNDS. 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 THE 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)	ACGIH	OSHA	MEXICO
HYDROCHLORIC ACID	2 PPM (CEILING)	5 PPM (CEILING)	5 PPM (CEILING)

7 MG/M3 (CEILING) 7 MG/M3 (CEILING)

HMIS:  
HEALTH 3  
FIRE HAZARD 0  
REACTIVITY 0

PERSONAL PROTECTIVE EQUIPMENT:  
CHEMICAL GOGGLES  
GLOVES  
PROTECTIVE FOOTWEAR

9. PHYSICAL AND CHEMICAL PROPERTIES



PHYSICAL STATE: LIQUID  
APPEARANCE: LIQUID  
COLOR: OPAQUE GREEN  
ODOR: FLORAL  
pH: <1  
DILUTION pH: NO INFORMATION AVAILABLE.  
SPECIFIC GRAVITY: 1.045  
DENSITY: 8.72 LBS/GAL  
BULK DENSITY: NO INFORMATION AVAILABLE  
VAPOR DENSITY: NO INFORMATION AVAILABLE  
EVAPORATION RATE: NO INFORMATION AVAILABLE  
VISCOSITY: NO INFORMATION AVAILABLE  
SOLUBILITY: SOLUBLE  
VOC: 0  
SOLUBILITY IN OTHER SOLVENTS: NO INFORMATION AVAILABLE  
PARTITION COEFFICIENT (n-OCTANOL/WATER): NO INFORMATION AVAILABLE  
BOILING POINT/RANGE: NOT DETERMINED  
MELTING POINT/RANGE: NOT DETERMINED  
FLASH POINT: >200 (DEG. F) >93.3 (DEG. C)  
DECOMPOSITION TEMPERATURE: NOT DETERMINED  
AUTOIGNITION TEMPERATURE: NO INFORMATION AVAILABLE  
ELEMENTAL PHOSPHORUS: 0 %P

10. STABILITY AND REACTIVITY



STABILITY: THE PRODUCT IS STABLE  
POLYMERIZATION: HAZARDOUS POLYMERIZATION DOES NOT OCCUR  
MATERIALS TO AVOID:  
STRONG BASES. AMMONIA. AMMONIUM SALTS. DO NOT MIX WITH CHLORINATED PRODUCTS.  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE REASONABLY FORESEEABLE.

11. TOXICOLOGICAL INFORMATION



HAZARDOUS COMPONENTS:

INGREDIENT(S)	LD50 ORAL-RAT	LD50 DERMAL - RABBIT	LC50 INHALATION - RAT
HYDROCHLORIC ACID	=700 MG/KG	>5010 MG/KG	=3124 PPM (1 H)

ACUTE TOXICITY: ORAL LD50 ESTIMATED TO BE BETWEEN 4000 - 5000 MG/KG

CHRONIC TOXICITY: NONE KNOWN

SPECIFIC EFFECTS:

CARCINOGENIC EFFECTS: NONE KNOWN

MUTAGENIC EFFECTS: NONE KNOWN

REPRODUCTIVE TOXICITY: NONE KNOWN

TARGET ORGAN EFFECTS: NONE KNOWN

HAZARDOUS COMPONENTS:

INGREDIENT(S)	NTP	IARC	OSHA
HYDROCHLORIC ACID 7647-01-0		3	

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  
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), CANADA (DSL/NDSL), AUSTRALIA (AICS), KOREA (ECL),  
PHILIPPINES (PICCS), CHINA (IECSC).

U.S. REGULATIONS:  
  
CALIFORNIA PROPOSITION 65:  
THIS PRODUCT IS NOT SUBJECT TO THE REPORTING REQUIREMENTS UNDER  
CALIFORNIA'S PROPOSITION 65

STATE RIGHT TO KNOW:

INGREDIENT(S)	CAS#	MARTK	NJRTK	PARTK	RIRTK
WATER	7732-18-5				
AMINES, SOYA ALKYL, ETHOXYLATED	61791-24-0				

N-ALKYL DIMETHYL  
BENZYL AMMONIUM  
CHLORIDE 68424-85-1

HYDROCHLORIC ACID 7647-01-0 X X X X

POLYOXYETHYLENE  
NONYLPHENOL 9016-45-9

CERCLA/SARA:

INGREDIENT(S)	WEIGHT %	CERCLA/SARA RQ (LBS)	SECTION 302 TPQ (LBS)	SECTION 313
HYDROCHLORIC ACID 7647-01-0	5 - 10%	5000	500	X

INGREDIENT(S)	CAA HAP	CAA ODS	CWA PRIORITY POLLUTANTS
HYDROCHLORIC ACID 7647-01-0	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
HYDROCHLORIC ACID	7647-01-0	X
POLYOXYETHYLENE NONYLPHENOL	9016-45-9	X

16. OTHER INFORMATION



REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: NONE

NOTICE TO READER:  
THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED  
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