



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
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HYDROCHLORIC ACID	2 PPM (CEILING)	5 PPM (CEILING)	5 PPM (CEILING)
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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 9016-45-9
NONYLPHENOL

CERCLA/SARA:

INGREDIENT(S)	WEIGHT %	CERCLA/SARA RQ (LBS)	SECTION 302 TPQ (LBS)	SECTION 313
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HYDROCHLORIC ACID 7647-01-0	5 - 10%	5000	500	X
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INGREDIENT(S)	CAA HAP	CAA ODS	CWA PRIORITY POLLUTANTS
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HYDROCHLORIC ACID 7647-01-0	X		
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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
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HYDROCHLORIC ACID	7647-01-0	X
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POLYOXYETHYLENE NONYLPHENOL	9016-45-9	X
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16. OTHER INFORMATION

REASON FOR REVISION: NOT APPLICABLE

PREPARED BY: NAPRAC

ADDITIONAL ADVICE: NONE

NOTICE TO READER:

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