

S.C. Johnson & Son, Inc.
Racine, Wisconsin 53403-5011
Phone: (414) 631-2777

HMIS RATING	
Health	3
Flammability	0
Reactivity	1

MATERIAL SAFETY DATA SHEET

SECTION I-PRODUCT IDENTIFICATION

Product Name: CREW TOILET BOWL CLEANER		Product Code: 14565-002-003	
Chemical or Common Name: NA	Date Issued: 09/19/89	Supersedes: 04/01/88	Prepared by: Terry A. Meyers Chemical Info. Adm.

SECTION II-INGREDIENT INFORMATION

Ingredient	Weight %	Exposure Limit
Hydrochloric Acid (CAS #7646-01-0)	9.5	5 ppm ACGIH TLV-TWA, OSHA PEL
N-Alkyl Dimethylbenzyl Ammonium chloride (CAS #68391-01-57)	0.05	NE
N-Alkyl Dimethylethylbenzyl Ammonium chloride (CAS #27479-28-37)	0.05	NE
Water	85-90	NA

SECTION III-PHYSICAL DATA

APPEARANCE/ODOR: Light green, opaque liquid with floral odor	SPECIFIC GRAVITY (H ₂ O=1): 1.050
VAPOR PRESSURE (mm Hg): ND	PERCENT VOLATILE BY VOLUME (%): 95
SOLUBILITY IN WATER: Complete	VAPOR DENSITY (AIR=1): ND
FREEZING POINT (°F): ND	BOILING POINT (°F): 212
pH: under 1	EVAPORATION RATE (BUTYL ACETATE=1): NA

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT (°F) (METHOD USED): NA
FLAMMABLE LIMITS: NA
EXTINGUISHING MEDIA: Foam , CO ₂ , Dry Chemical , Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Normal fire fighting procedures may be used. Fire fighters should wear self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Corrosive Material (See Sections VI, VIII).

SECTION V-HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY: Skin Contact , Inhalation

MATERIAL SAFETY DATA SHEET

Page 2

S.C. Johnson & Son, Inc.
1525 Howe Street
Racine, Wisconsin 53403

CREW TOILET BOWL CLEANER
Product Number: 14565
Serial Number: 2-3

SECTION V-HEALTH HAZARD DATA (cont.)

SIGNS AND SYMPTOMS: Direct contact of product vapor with eyes can cause severe irritation. Direct contact of product with eyes can cause severe irritation and damage. Direct contact of product with skin can cause irritation. If taken internally, product may cause corrosive damage to mouth, throat or stomach. Product vapors may cause severe irritation to nose, throat and lungs if inhaled.

FIRST AID PROCEDURES: If eye contact occurs, flush eyes with water for 15 minutes, then get prompt medical aid. Wash skin with plenty of water. If irritation persists, seek medical aid. If product is swallowed, drink large amounts of water or milk and seek medical aid. For ingestion, due to the extreme pH of the product, the possibility of corrosive damage to mouth, throat and stomach should be considered in treatment. If difficulty or discomfort in breathing is experienced, remove to fresh air and get medical attention.

SECTION VI-REACTIVITY DATA

STABILITY: Stable

STABILITY CONDITIONS TO AVOID: None known

INCOMPATIBILITY: Strong alkalis/bases/caustics (e.g., sodium hydroxide). See Section X.

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire produces an acid mist.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None known

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Rinse affected area thoroughly with water. Wear/use appropriate protective equipment.

WASTE DISPOSAL INFORMATION: For undiluted product: Disposal is regulated under the Resource Conservation and Recovery Act as a corrosive waste. Disposal of regulated quantities should be by neutralization at a permitted facility in accordance with all Federal/State regulations and local ordinances regarding disposal of corrosive wastes. Waste from normal product use may be sewer to a public-owned treatment works (POTW) in compliance with applicable Federal, state, and local pretreatment requirements.

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If ventilation is adequate, respiratory protection not required.

VENTILATION: General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.

MATERIAL SAFETY DATA SHEET

Page 3

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SECTION VIII-SPECIAL PROTECTION INFORMATION (cont.)

PROTECTIVE CLOVES: Rubber. Neoprene.

EYE PROTECTION: Chemical workers splash-proof goggles

OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Where gross eye/skin contact may be a problem, wear/use appropriate protective equipment.

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING: DANGER: Poison. Keep out of reach of children. Corrosive. May be fatal if swallowed. Do not breathe vapor or fumes. Produces chemical burns. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling.

OTHER HANDLING AND STORAGE CONDITIONS: Product residue may remain on empty containers. All precautions for handling the product must be used in handling the empty container and residue. Keep out of reach of children. Wash thoroughly after handling.

SECTION X-ADDITIONAL INFORMATION

For information on appropriate emergency procedures phone: 414-631-2000.

ADDITIONAL INFORMATION: Strong oxidizing materials (e.g., liquid chlorine), flammables and ammonia; may discolor metals. EPA Reg. #8155-6-4822.

NA Not Applicable, NE Not Evaluated, NS No Special Requirement, ND Not Determined for this product. The information herein is given in good faith. No warranty, expressed or implied, is made. Any use of these data and information shall be determined by the user to be in accordance with applicable Federal, State, and local laws and regulations. The information contained in this form is confidential and is submitted solely for your organization's internal use.