

S.C. Johnson Wax
 Racine, Wisconsin 53403-5011
 Phone: (414) 631-2777
 Emergency Phone: (800) 228-5635
 Extension 092
 International Emergency Phone:
 Extension 092

4-Very High
 3-High
 2-Moderate
 1-Slight
 0-Insignificant

HAZARD RATING	
HMIS	NFPA
3 Health	3
0 Flammability	0
1 Reactivity	1

MATERIAL SAFETY DATA SHEET

SECTION I-PRODUCT IDENTIFICATION

PRODUCT NAME: CREW HEAVY DUTY TOILET BOWL CLEANER	PRODUCT CODE: 14560-1 to 14564-1
CHEMICAL OR COMMON NAME: NA	PREPARED BY: Terry A. Meyers Chemical Info. Adm.
DATE ISSUED: 12/15/92	SUPersedes: 06/29/92
MSDS SECTIONS WITH CHANGES:	

SECTION II-INGREDIENT INFORMATION

INGREDIENTS	WEIGHT %	EXPOSURE LIMIT
(SARA, PA, NJ, MA) Hydrochloric Acid (CAS# 7647-01-0)	23.0	5 PPM ACGIH/OSHA CEILING
Water	70-76	NA
Non-Hazardous Ingredients	balance	NA

See Regulatory Information (Section XII) for explanation of bracketed information.

SECTION III-PHYSICAL DATA

APPEARANCE/ODOR: Dark blue, opaque liquid with wintergreen odor	SPECIFIC GRAVITY (H2O=1): 1.1
VAPOR PRESSURE (mm Hg): ND	PERCENT VOLATILE BY VOLUME (%): NA
SOLUBILITY IN WATER: Complete	VAPOR DENSITY (Air=1): ND
FREEZING POINT (°F): ND	BOILING POINT (°F): above 100
pH: under 1	EVAPORATION RATE (Butyl Acetate=1): NA
VOC (as packaged, minus H2O): ND	THEORETICAL VOC (lb/gal): ND

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT (°F) (Method Used): NA
FLAMMABLE LIMITS: NA
EXTINGUISHING MEDIA: Foam. CO2. 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.
HAZARDOUS FIRE AND EXPLOSION HAZARDS: Corrosive Material (See Sections VI, VIII).

SECTION V-HEALTH HAZARD DATA

PRIMARY ROUTE OF ENTRY: Skin contact. Inhalation.

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SECTION V-HEALTH HAZARD DATA (cont.)

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

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.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

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 (40 CFR 261.22). 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.

PROTECTIVE GLOVES: Rubber. Neoprene.

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SECTION VIII-SPECIAL PROTECTION INFORMATION (cont.)

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/in 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

ADDITIONAL INFORMATION: Strong oxidizing materials (e.g., liquid chlorine), flammables and ammonia; may discolor metals.

EPA REGISTRATION #: 8155-3-4822

SECTION XI-TRANSPORTATION INFORMATION

DOT CLASS: Corrosive Material (Liquid).

DOT #: NA1789.

SHIPPING NAME: Compound, Cleaning, Liquid, Corrosive Material NA 1760

SECTION XII-REGULATORY INFORMATION

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory. There are no ingredients subject to the reporting requirements under California's Proposition 65.

MA - These ingredients are subject to the reporting requirements under the Massachusetts Hazardous Substance List.

NJ - These ingredients are subject to the reporting requirements under the New Jersey Right to Know Hazardous Substance List.

PA - These ingredients are subject to the reporting requirements under the Pennsylvania Hazardous Substance List.

SARA - These ingredients are subject to the reporting requirements under the Superfund Amendments and Reauthorization Act of 1986 Title III, Section 313 and 40 CFR Part 372.

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NA-Not Applicable, NE-Not Established, NSR-No Special Requirement, ND-Not Determined
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