

MATERIAL SAFETY DATA SHEET

MSDS

The Works® Disinfectant Toilet Bowl Cleaner

Date-Issued: 12/04/2003
 MSDS Ref. No: HWKS3302
 Date-Revised: 03/16/2005
 Revision No: 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: The Works® Disinfectant Toilet Bowl Cleaner
GENERAL USE: Toilet Bowl Cleaner
PRODUCT CODE: 03251;03310;03317;04410;04492;08810;08817;08862
CHEMICAL FAMILY: Hydrochloric Acid Solution

MANUFACTURER

HomeCare Labs, Inc.
 P.O. Box 491150
 Lawrenceville, GA 30049
Customer SERVICE: (800)+48-5281

COMMENTS: EPA Registration Number: 5185-494-80306

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical): (877) 806 - 5553
CHEMTREC (US Transportation): (800) 424 - 9300

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>Wt.%</u>
Hydrochloric acid	7647-01-0	20

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear blue, non-viscous liquid, with hydrochloric acid odor.

IMMEDIATE CONCERNS: DANGER. Causes skin burns and irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, protective clothing, and rubber (or chemical resistant) gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not mix with chlorine-type bleaches or other household chemicals.

POTENTIAL HEALTH EFFECTS

EYES: Causes irreversible eye damage. Do not get in eyes.

SKIN: Causes skin burns. Do not get on skin.

INGESTION: Harmful if swallowed.

INHALATION: Harmful if inhaled. Avoid breathing vapors.

CHRONIC: There are no known chronic hazards.

ROUTES OF ENTRY: Skin Contact, Inhalation, Ingestion, Eye Contact.

4. FIRST AID MEASURES

EYES: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to

swallow. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

INHALATION: If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call poison control center or doctor for treatment advice.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

GENERAL HAZARD: Although not flammable, a latent fire or explosion hazard exists when product is in contact with certain metals, due to the formation of flammable hydrogen gas.

EXTINGUISHING MEDIA: Appropriate to surrounding materials.

FIRE FIGHTING EQUIPMENT: Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Utilizing appropriate clothing and safety equipment, contain spilled material. Cover the liquid with an inert absorbent. Using clean, dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry plastic containers for disposal. Dispose of according to local, municipal, state, provincial, and federal regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin or clothing. Avoid breathing vapors.

HANDLING: Mix only with water. Do not mix with other chemicals.

STORAGE: Store in original container out of reach of children. Do not reuse empty container. Place empty bottle in trash collection or recycle. Do not contaminate water, food or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

Hydrochloric acid

OSHA TABLE COMMENTS:

- 1. Ceiling

EXPOSURE LIMITS

<u>OSHA PEL</u>	<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>		
<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
TWA 5 ppm ⁽¹⁾			5 ppm		

ENGINEERING CONTROLS: General room ventilation plus local exhaust should be used to minimize exposure to vapors.

PERSONAL PROTECTIVE EQUIPMENT:

EYES AND FACE: Use of safety glasses with side shields is recommended, if conditions warrant.

SKIN: Household vinyl or rubber gloves are recommended.

RESPIRATORY: If used in a confined area, respirator protection may be necessary.

WORK HYGIENIC PRACTICES: If product gets on clothing, remove and wash before reuse.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Hydrochloric Acid
APPEARANCE: Clear, non-viscous liquid
COLOR: Blue
pH: < 1.0
VAPOR PRESSURE: < 2 mmHg
VAPOR DENSITY: Not Established
BOILING POINT: Not Established
FREEZING POINT: < (-40°F)
SOLUBILITY IN WATER: Miscible in Water
EVAPORATION RATE: > 1
DENSITY: 9.17 lb/gal @ 70F
SPECIFIC GRAVITY: 1.092 to 1.106 (water=1) at (70°F)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination. Metals or metallic surfaces.

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Flammable hydrogen gas may be released on contact with certain metals.

INCOMPATIBLE MATERIALS: Reacts with other household chemicals such as toilet bowl cleaners, rust removers, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species. Reacts with certain metals or metallic surfaces.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀: 900 mg/kg of body weight in rabbits
Toxicological information given is for the active ingredient.

INHALATION LC₅₀: 3124 ppm (rats) (one hour exposure)
Toxicological information given is for the active ingredient.

EYE EFFECTS: This product is corrosive to eyes.

SKIN EFFECTS: This product is corrosive to skin.

CARCINOGENICITY:

This product is not listed as a carcinogen by IARC.

This product is not listed as a carcinogen by NTP.

This product is not listed as a carcinogen by OSHA.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds.

13. DISPOSAL CONSIDERATIONS

EMPTY CONTAINER: Do not reuse container. Rinse thoroughly before discarding in trash.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION:

Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Hydrochloric Acid Solution)

UN/NA Number: UN3264
 Hazard Class/Division: 8 (Corrosive)
 Packing Group: II
 Limited Quantity or ORM-D Consumer Commodity exemption if applicable.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: NO

313 REPORTABLE INGREDIENTS: Hydrochloric acid is a SARA Title III Section 313 Toxic Chemical.

TITLE III NOTES: Hydrochloric acid is listed as a SARA Title III Section 302 Extremely Hazardous Substance, with a TPQ of 500 lbs. and an RQ of 5,000 lbs.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Hydrochloric acid (muriatic acid) (CAS # 7647-01-0), a component of this product, has a CERCLA RQ of 5000 lbs.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components are not subject to export notification.

TSCA STATUS: This product or its components are listed on the TSCA Inventory.

RCRA STATUS: This product when discarded is a hazardous waste as that term is defined by 40 CFR 261. US EPA RCRA hazardous waste number: D002

OSHA HAZARD COMM. RULE: Product is hazardous by definition of the Hazardous Communication Standard.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): This product is a US EPA registered pesticide.

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department

REVISION SUMMARY Revision #: 3 This MSDS replaces the January 10, 2005 MSDS. Any changes in information are as follows: In Section 1 Product Code In Section 2 Physical Appearance In Section 9 Odor Specific Gravity (From) Specific Gravity (To)

HMIS RATING

HEALTH:	3
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	B

NFPA RATING

HEALTH:	3
FIRE:	0
REACTIVITY:	0

Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

MANUFACTURER DISCLAIMER: IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any Federal, State or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.