

**MATERIAL SAFETY DATA SHEET**

MSDS

**The Works® Toilet Bowl Cleaner**

**Date-Issued:** 04/01/2004  
**MSDS Ref. No:** HWKS03315  
**Date-Revised:** 04/29/2005  
**Revision No:** 1

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** The Works® Toilet Bowl Cleaner  
**GENERAL USE:** Toilet Bowl Cleaner  
**PRODUCT CODE:** 03315; 08816; 04411  
**CHEMICAL FAMILY:** Hydrochloric Acid Solution

**MANUFACTURER**

HomeCare Labs, Inc.  
P.O. Box 491150  
Lawrenceville, GA 30049  
**Customer SERVICE:** (800)448-5281

**24 HR. EMERGENCY TELEPHONE NUMBERS**

**Poison Control Center (Medical) :** (877) 800 - 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	15 - 25

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** blue-green to green, clear, non-viscous liquid with wintergreen odor.

**IMMEDIATE CONCERNS:** POISON. DANGER. Corrosive. May be fatal if swallowed. Causes severe burns. Harmful if inhaled. Do not ingest or breath vapors. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not mix with chlorine-type bleaches or other household chemicals.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Causes severe eye burns. Do not get in eyes.

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

**INGESTION:** May be fatal 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:** Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of children's reach.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>		
	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>	<u>ppm</u>	<u>mg/m<sup>3</sup></u>
Hydrochloric acid						
	TWA	5 ppm <sup>[1]</sup>		5 ppm		

#### OSHA TABLE COMMENTS:

- Ceiling

**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:** Wintergreen odor

**APPEARANCE:** Clear, non-viscous liquid

**COLOR:** Blue-green to green

**pH:** < 1.0

**VAPOR PRESSURE:** < 2 mmHg

**VAPOR DENSITY:** Not Established

**BOILING POINT:** > (215°F)

**FREEZING POINT:** < (-40°F)

**SOLUBILITY IN WATER:** Miscible in Water

**EVAPORATION RATE:** > 1 (n-Butyl Acetate=1)

**DENSITY:** 9.17 lb/gal @ 70F

**SPECIFIC GRAVITY:** 1.1 (water=1) at (70°F)

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## 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, bleach, 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.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**ORAL LD<sub>50</sub>:** 900 mg/kg of body weight in rabbits

Toxicological information given is for the active ingredient.

**INHALATION LC<sub>50</sub>:** 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.

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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

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## 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 not a registered pesticide.

**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department

**REVISION SUMMARY** Revision #: 1 This MSDS replaces the April 05, 2004 MSDS. Any changes in information are as follows: In Section 1 Product Code

**HMSIS RATING**

<b>HEALTH:</b>		3
<b>FLAMMABILITY:</b>		0
<b>PHYSICAL HAZARD:</b>		0
<b>PERSONAL PROTECTION:</b>		B

**NFPA RATING**

<b>HEALTH:</b>	3
<b>FIRE:</b>	0
<b>REACTIVITY:</b>	0

**Key**

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

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