MATERIAL SAFETY DATA SHEET

MSDS

The Works® Toilet Bowl Cleaner

Date-Issued: 04/01/2004
MSDS Ref. No: HWKS03315
Date-Revised: 04/05/2004
Revision No: New MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: The Works® Toilet Bowl Cleaner
GENERAL USE: Toilet Bowl Cleaner
PRODUCT CODE: 03315; 08816
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

Chemical Name	CAS#	Wt.%
Hydrochloric acid	7647-01-0	15 - 25

COMMENTS: Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 1% of more of the composition. Materials identified as carcinogens are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is available as provided in 29 CFR 1910.1200.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

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

IMMEDIATE CONCERNS: POISON. DANGER. 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 advise.

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 separation 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 spill 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, state 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)

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

OSHA TABLE COMMENTS:

1. 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 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)

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.

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD_{50}: 900 mg/kg of body weight in rabbits
Toxicological information given is for the active ingredient.

INHALATION LC_{50}: 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 defied 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 New MSDS

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

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