

***The Works*® Disinfectant Toilet Bowl Cleaner**

Version:	1.0
Revision Date:	02/11/2009
Print Date:	11/10/2010

The recipient of this Safety Data Sheet is urged to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name: The Works® Disinfectant Toilet Bowl Cleaner

Product Use Description: Home Care Product

Chemical nature: Hydrochloric Acid Solution.

EPA Registration Number: 5185-494-80306

Company: HomeCare Labs, Inc.  
P.O. Box 491150  
Lawrenceville, GA  
30049-1002

Emergency telephone: CHEMTREC (US Transportation) :  
(800) 424-9300  
(703) 527-3887  
Poison Control Center (Medical) :  
(877) 800-5553

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

Customer Service: (800) 949-7946

Prepared by: Product Safety Department  
(US) +1 866-430-2775  
(EU) +44 (0) 1753.603.000  
Email: MSDSRequest@chemtura.com

**SECTION 2. HAZARDS IDENTIFICATION****Emergency Overview****DANGER!**

Form: clear liquid  
Colour: blue  
Odour: Wintergreen odor.

Causes skin burns.  
Corrosive - causes irreversible eye damage.  
Harmful if swallowed.

OSHA Hazards:  
THIS MATERIAL IS HAZARDOUS UNDER THE  
CRITERIA OF THE FEDERAL OSHA HAZARD

MSDS Number: HOME\_4000141

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COMMUNICATION STANDARD 29CFR 1910.1200.

Harmful if absorbed through skin.  
 May cause respiratory tract irritation.  
 Do not get in eyes, on skin, or on clothing.  
 Avoid breathing vapors.  
 Do not ingest.

**Potential Health Effects**

Primary Routes of Entry : Skin contact  
 Inhalation  
 Ingestion  
 Eye contact

Inhalation : May cause irritation of respiratory tract.

Skin : Causes skin burns.

Eyes : Corrosive - causes irreversible eye damage.

Ingestion : Harmful if swallowed.

Chronic Exposure : None known.

**SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

Component	CAS-No.	Concentration
hydrogen chloride	7647-01-0	20 %

**SECTION 4. FIRST AID MEASURES****First aid procedures**

Inhalation : Remove to fresh air.  
 Give oxygen or artificial respiration if needed.  
 Call a POISON CENTRE or doctor/physician.

Skin contact : Remove contaminated clothing and shoes.  
 Rinse immediately with plenty of water for at least 15 minutes.  
 Call a POISON CENTRE or doctor/physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
 Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.  
 Call a POISON CENTRE or doctor/physician.

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Ingestion : Call a physician or poison control centre immediately.  
Do NOT induce vomiting.  
Have person sip a glass of water if able to swallow.  
Do not give anything by mouth to an unconscious person.

**Notes to physician**

Treatment : Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5. FIRE-FIGHTING MEASURES****Flammable properties**

Flash point : not applicable

**Protective equipment and precautions for firefighters**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

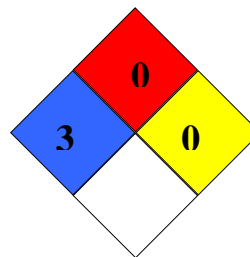
Hazardous decomposition products : Hydrogen, by reaction with metals  
Inorganic vapors.  
Acid fumes.

Specific hazards during fire fighting : Although not flammable, a latent fire or explosion hazard exists when product is in contact with certain metals or metallic surfaces, due to the formation of flammable hydrogen gas.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident.

**Further information**

**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 0  
Reactivity Hazard: 0



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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Methods for containment / Methods for cleaning up : Using appropriate protective clothing and safety equipment, contain spilled material.  
Soak up with inert absorbent material.  
Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean dry containers for disposal.
- Additional advice : Treat recovered material as described in the section "Disposal considerations".

**SECTION 7. HANDLING AND STORAGE****Handling**

- Advice on safe handling : Avoid contact with skin, eyes and clothing.  
Avoid breathing vapors.  
Mix only with water.  
Do not mix with other chemicals.  
Do not contaminate water, food or feed by storage or disposal.  
Do not handle until all safety precautions have been read and understood.  
Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco.

**Storage**

- Requirements for storage areas and containers : Store in original container.  
Keep tightly closed in a dry, cool and well-ventilated place.  
Keep out of reach of children.  
Keep away from animals.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines****Components with workplace control parameters**

Components / CAS-No.	Value - Basis - Update	Control parameters	Further information
hydrogen chloride 7647-01-0	CEIL ; ACGIH 2003-01-01	2 ppm	A4: The agent (mixture, or exposure circumstance) is not classifiable as to its carcinogenicity to humans. ACGIH 2003 Adoption
hydrogen chloride 7647-01-0	CEIL ; OSHA PO 1989-03-01	5 ppm 7 mg/m3	
hydrogen chloride 7647-01-0	CEIL ; OSHA P1 1993-06-30	5 ppm 7 mg/m3	

**Engineering measures**

- Engineering measures : Ensure that eyewash stations and safety showers are close to the workstation

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location.  
Use with adequate ventilation.

**Personal protective equipment**

Eye protection : Goggles  
 Hand protection : Wear rubber gloves.  
 Respiratory protection : If used in a confined area, respirator protection may be necessary.  
 Hygiene measures : Remove and wash contaminated clothing before re-use.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

Form : clear  
liquid  
 Colour : blue  
 Odour : Wintergreen odor.

**Safety data**

Flash point : not applicable  
 pH : < 1  
 Freezing point : < -40 °F (-40 °C)  
 Boiling point/boiling range : > 214.9 °F (101.6 °C)  
 Vapour pressure : < 2.7 hPa (2.7 hPa)  
 Density : 9.17 lb/gal  
at 70 °F (21 °C)  
 Relative density : 1.092 - 1.106  
at 70 °F(21 °C)  
 Water solubility : completely miscible  
 Relative vapour density : Not Available  
 Evaporation rate : >1  
(Butyl acetate = 1)

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**SECTION 10. STABILITY AND REACTIVITY**

- Conditions to avoid : Poor ventilation.  
High temperatures.  
Contamination
- Materials to avoid : Reacts with household chemicals such as toilet bowl cleaners, rust removers, vinegar, acids or ammonia containing products to produce chlorine containing hazardous gases.  
Although not flammable, a latent fire or explosion hazard exists when product is in contact with certain metals or metallic surfaces, due to the formation of flammable hydrogen gas.
- Hazardous decomposition products : Type: Hazardous decomposition products  
  
Hydrogen, by reaction with metals  
Inorganic vapors.  
Acid fumes.
- Hazardous reactions : Hazardous polymerisation does not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

- Acute oral toxicity : LD50 rabbit  
Dose: 900 mg/kg  
Toxicological information given is for the active ingredient.
- Acute inhalation toxicity : LC50 rat  
Exposure time: 1 h  
Dose: 3124 ppm  
Toxicological information given is for the active ingredient.
- Skin irritation : Causes skin burns.
- Eye irritation : Corrosive - causes irreversible eye damage.

**SECTION 12. ECOLOGICAL INFORMATION**

- Additional ecological information : May be toxic to fish.  
May be toxic to aquatic organisms.

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**SECTION 13. DISPOSAL CONSIDERATIONS**

- Further information : Dispose of waste material in compliance with all federal, state, and local regulations.
- Contaminated packaging : Do not re-use empty containers.  
Rinse thoroughly before discarding in trash.  
Offer rinsed packaging material to local recycling facilities.

**SECTION 14. TRANSPORT INFORMATION**

- DOT** UN-Number : 3264  
Proper shipping name : Corrosive liquid, acidic, inorganic, n.o.s.  
Proper technical name : (Hydrochloric Acid Solution)  
Class : 8  
Packing group : II
- IATA** UN-Number : 3264  
Proper shipping name : Corrosive liquid, acidic, inorganic n.o.s.  
Proper technical name : (Hydrochloric Acid Solution)  
Class : 8  
Packing group : II
- IMDG** UN-Number : 3264  
Proper shipping name : CORROSIVE LIQUID, ACIDIC, INORGANIC,  
N.O.S.  
Proper technical name : (Hydrochloric Acid Solution)  
Class : 8  
Packing group : II

Not recommended for shipment by air  
Limited Quantity exemption possible  
ORM-D Consumer Commodity exemption possible

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**SECTION 15. REGULATORY INFORMATION****National regulatory information**

**OSHA Hazards** : This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SARA Hazard category** : Acute Health Hazard

**US CERCLA** : US. Environmental Protection Agency (EPA); The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).  
(Component)

Reportable quantity: 5,000 lbs

hydrogen chloride	7647-01-0	63.6 %
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**US SARA 302** : US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.  
(Component)

Reportable quantity: 5,000 lbs

hydrogen chloride	7647-01-0	63.6 %
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**US SARA 302** : US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.  
(Component)

TPQ (threshold planning quantity): 500 lbs

hydrogen chloride	7647-01-0	63.6 %
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**US SARA 313** : US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules.  
(Product)

**US SARA 313** : US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules.  
(Component)

De minimis concentration: 1 %

hydrogen chloride	7647-01-0	63.6 %
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**US State Regulations**

**US MA RTK** : US. The Commonwealth of Massachusetts Department of Public Health; Massachusetts Right-to-know law, The Massachusetts Substance List, 105 CMR 670.000  
(Component)



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Extraordinarily hazardous, Massachusetts hazardous substance

hydrogen chloride	7647-01-0	63.6 %
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Extraordinarily hazardous, Carcinogen, Massachusetts hazardous substance

1,3-diethyl-2-thiourea	105-55-5	0.0006 %
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**US NJ RTK**  
(Component)

: US. New Jersey Department of Environmental Protection -; Bureau of Hazardous Substances New Jersey Right to Know Law, Hazardous Substance List [P.L. 1983, C. 315, NJS 34:5A-1 et seq]

special health hazard substance, special health hazard, corrosive

hydrogen chloride	7647-01-0	63.6 %
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hazardous substance

hydrogen chloride	7647-01-0	63.6 %
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**US PA RTK**  
(Component)

: US. Commonwealth of Pennsylvania - Department of Labor and Industry: Pennsylvania Code Title 34, Labor and Industry Chapter 323

environmental hazard, hazardous substance

hydrogen chloride	7647-01-0	63.6 %
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**The components of this product are reported in the following inventories:**  
**TSCA**

**Additional advice :**

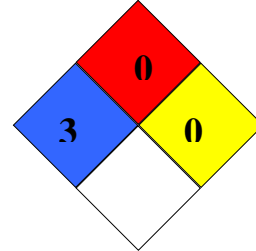
FIFRA (Federal Insecticide, Fungicide, Rodenticide Act): This product is a registered pesticide.

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**SECTION 16. OTHER INFORMATION****Further information**

**NFPA Classification** : Health Hazard: 3  
Fire Hazard: 0  
Reactivity Hazard: 0



**HMS Classification** : Health Hazard: 3  
Flammability: 0  
Physical and chemical hazards: 0  
PPI: Ask supervisor or safety specialist for handling instructions

**Other Emergency Phone Number**

<u>Latin America:</u>	Brazil	+52 113 711 91 44
	All other countries	+44 (0)208 762 8322
<u>Mexico:</u>		+52 555 004 87 63

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of the seller, it is the user's obligation to determine the conditions of safe use of the products.