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
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**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrogen chloride</td>
<td>7647-01-0</td>
<td>20 %</td>
</tr>
</tbody>
</table>

### 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.
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
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

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

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

MSDS Number: HOME_4000141
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)
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.

MSDS Number: HOME_4000141
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
### SECTION 15. REGULATORY INFORMATION

#### National regulatory information

<table>
<thead>
<tr>
<th>OSHA Hazards</th>
<th>This material is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Hazard category</td>
<td>Acute Health Hazard</td>
</tr>
<tr>
<td>US CERCLA (Component)</td>
<td>US. Environmental Protection Agency (EPA): The 1980 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Reportable quantity: 5,000 lbs hydrogen chloride 7647-01-0 63.6 %</td>
</tr>
<tr>
<td>US SARA 302 (Component)</td>
<td>US. Environmental Protection Agency (EPA): Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules. Reportable quantity: 5,000 lbs hydrogen chloride 7647-01-0 63.6 %</td>
</tr>
<tr>
<td>US SARA 302 (Component)</td>
<td>US. Environmental Protection Agency (EPA): Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules. TPQ (threshold planning quantity): 500 lbs hydrogen chloride 7647-01-0 63.6 %</td>
</tr>
<tr>
<td>US SARA 313 (Product)</td>
<td>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.</td>
</tr>
<tr>
<td>US SARA 313 (Component)</td>
<td>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. De minimis concentration: 1 % hydrogen chloride 7647-01-0 63.6 %</td>
</tr>
</tbody>
</table>

#### US State Regulations

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

MSDS Number: HOME_4000141
**The Works® Disinfectant Toilet Bowl Cleaner**

**MSDS Number:** HOME_4000141

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrogen chloride</td>
<td>Extraordinarily hazardous, Massachusetts hazardous substance</td>
<td>7647-01-0</td>
<td>63.6%</td>
</tr>
<tr>
<td>1,3-diethyl-2-thiourea</td>
<td>Extraordinarily hazardous, Carcinogen, Massachusetts hazardous substance</td>
<td>105-55-5</td>
<td>0.0006%</td>
</tr>
</tbody>
</table>

**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, NJSA 34:5A-1 et seq]

special health hazard substance, special health hazard, corrosive hydrogen chloride 7647-01-0 63.6%

**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%

**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.
SECTION 16. OTHER INFORMATION

Further information

NFPA Classification

- Health Hazard: 3
- Fire Hazard: 0
- Reactivity Hazard: 0

HMIS Classification

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

Other Emergency Phone Number

<table>
<thead>
<tr>
<th>Latin America:</th>
<th>Brazil</th>
<th>+52 113 711 91 44</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All other countries</td>
<td>+44 (0)208 762 8322</td>
</tr>
<tr>
<td>Mexico:</td>
<td></td>
<td>+52 555 004 87 63</td>
</tr>
</tbody>
</table>

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.