1. Product and Company Identification

Material name: P&G Pro Line Thickened Acid Toilet Bowl Cleaner (47)

Product Code: 98668756

Version #: 06

Revision date: 06-02-2011

Manufacturer: Procter & Gamble Professional

Address: 2 P&G Plaza

Cincinnati

Ohio

45202

US

P&G Telephone Number: 1-800-332-7787

Emergency 24-hr Telephone #: CHEMTREC 1-800-424-9300

2. Hazards Identification

Potential health effects

Routes of exposure: Inhalation. Ingestion. Skin contact. Eye contact.

Eyes: Irritating to eyes. May cause burns. May cause permanent damage if eye is not immediately irrigated.

Skin: Severely irritating; may cause permanent skin damage. Skin contact may aggravate an existing dermatitis.

Inhalation: Irritating to mucous membranes.

Ingestion: Harmful or fatal if swallowed. Irritating to mucous membranes.

Potential environmental effects: Components of this product are hazardous to aquatic life. May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCHLORIC ACID</td>
<td>7647-01-0</td>
<td>7-13</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact: Immediately rinse with water for several minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention.

Skin contact: Remove contaminated clothing. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation: Move to fresh air. Perform artificial respiration if breathing has stopped and call an ambulance.

Ingestion: Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If victim is fully conscious, give a cupful of water. If medical advice is needed, have product container or label at hand.

Notes to physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.
5. Fire Fighting Measures

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Extinguishing media

Protection of firefighters
Fire may produce irritating, corrosive and/or toxic gases.

Specific hazards arising from the chemical
Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Wear suitable protective clothing.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Clean-up methods and materials and containment measures
In case of spills, beware of slippery floors and surfaces. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling
Use personal protective equipment as required. Use only in area provided with appropriate exhaust ventilation. Do not get this material in contact with skin or eyes. Wash hands thoroughly after handling. Keep out of reach of children.

Storage
Keep container tightly closed in a cool, well-ventilated place. Have emergency equipment readily available.

8. Exposure Controls / Personal Protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCHLORIC ACID</td>
<td>Ceiling</td>
<td>2.0000 ppm</td>
</tr>
<tr>
<td>(7647-01-0)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCHLORIC ACID</td>
<td>Ceiling</td>
<td>5.0000 ppm</td>
</tr>
<tr>
<td>(7647-01-0)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.0000 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Engineering controls
Provide adequate ventilation. Provide easy access to water supply and eye wash facilities.

Personal protective equipment

Eye / face protection
Wear chemical goggles or face shield.

Skin protection

Respiratory protection
Not normally needed.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Color
Green.

Odor
Scented

Odor threshold
Not available.

Physical state
Liquid.
**pH**  
<= 1

**Melting point**  
Not available.

**Freezing point**  
Not available.

**Boiling point**  
212 °F (100 °C)

**Flash point**  
>= 201 °F (>= 93.9 °C)

**Evaporation rate**  
Not available.

**Vapor pressure**  
Not available.

**Specific gravity**  
1.05

**Solubility (water)**  
100

**Partition coefficient**  
(n-octanol/water)  
Not available

**VOC**  
Not available.

**Percent volatile**  
87.87 % estimated

### 10. Chemical Stability & Reactivity Information

**Chemical stability**  
This is a stable material.

**Conditions to avoid**  
None known.

**Hazardous decomposition products**  
Thermal decomposition may produce toxic vapors or gases.

**Hazardous polymerization**  
Will not occur.

### 11. Toxicological Information

**Toxicological data**

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCHLORIC ACID (7647-01-0)</td>
<td>Acute Dermal LD50 Mouse: 1449 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Inhalation LC50 Mouse: 1108 mg/l 1.00 Hours</td>
</tr>
<tr>
<td></td>
<td>Acute Inhalation LC50 Rat: 3124 mg/l 1.00 Hours</td>
</tr>
<tr>
<td></td>
<td>Acute Oral LD50 Rabbit: 900 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Acute Other LD50 Mouse: 1449 mg/kg</td>
</tr>
</tbody>
</table>

**Sensitization**  
Not available.

**Acute effects**  
Causes burns.

**Local effects**  
Irritating to respiratory system.

**Chronic effects**  
Hazardous by OSHA criteria. Prolonged exposure may cause chronic effects.

**Skin corrosion/irritation**  
Hazardous by OSHA criteria.

### 12. Ecological Information

**Environmental effects**  
Based on ecotoxicity and fate data for the individual ingredients in this specific formulation, and for related consumer household cleaning products formulations, this product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment at relevant environmental concentrations. This product is intended for dispersive use and should not be disposed of directly into the environment.

### 13. Disposal Considerations

**Waste codes**  
D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]

**Disposal instructions**  
This material and its container must be disposed of as hazardous waste. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.

Dispose of container in accordance with label instructions.
14. Transport Information

DOT
Basic shipping requirements:
Proper shipping name: CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID) LTD QTY
[may be shipped as a CONSUMER COMMODITY ORM-D through 12/31/2013]
Hazard class 8
UN number 1760
Packing group II
Additional Information:
ERG number 154

IMDG
Basic shipping requirements:
Proper shipping name: CORROSIVE LIQUID, N.O.S. (HYDROCHLORIC ACID) LTD QTY
Hazard class 8
UN number 1760
Packing group II

IATA
Basic shipping requirements:
Proper shipping name: Corrosive liquid, n.o.s. (hydrochloric acid) LTD QTY
Hazard class 8
UN number 1760
Packing group II
Notes
DO NOT SHIP BY AIR. Does not meet packaging requirements for air shipments.

15. Regulatory Information

CERCLA (Superfund) reportable quantity
HYDROCHLORIC ACID: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard categories
Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
Yes

State regulations

ILLRTK
Contains no Illinois Right To Know toxic substances.

HYDROCHLORIC ACID (CAS 7647-01-0) LISTED

HYDROGEN CHLORIDE (GAS ONLY) (CAS 7647-01-0) HYDROCHLORIC ACID

US - Louisiana RTK Reporting: Listed substance
HYDROCHLORIC ACID (CAS 7647-01-0) LISTED

US - Massachusetts RTK - Substance: Listed substance
HYDROCHLORIC ACID (CAS 7647-01-0) LISTED

US - New Jersey Community RTK (EHS Survey): Listed substance
HYDROCHLORIC ACID (CAS 7647-01-0) LISTED HYDROCHLORIC ACID (>= 37% CONCENTRATION)
**LISTED HYDROGEN CHLORIDE (GAS ONLY)**

**US - New Jersey RTK - Hazardous substance**

HYDROGEN CHLORIDE (GAS ONLY) (CAS 7647-01-0) | HYDROCHLORIC ACID

**US - New Jersey RTK - Special Hazard: Listed substance**

HYDROCHLORIC ACID (CAS 7647-01-0) | HYDROGEN CHLORIDE SPEC_HAZAROUS

**US - New Jersey RTK - Substances: Listed substance**

HYDROCHLORIC ACID (CAS 7647-01-0) | HYDROGEN CHLORIDE (GAS ONLY) LISTED

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

HYDROCHLORIC ACID (CAS 7647-01-0) | LISTED

**US - Rhode Island RTK - Hazardous Substances: Listed substance**

HYDROCHLORIC ACID (CAS 7647-01-0) | LISTED

**Canadian regulations**

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Inventory Status**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

**HMIS® ratings**

- Health: 3*
- Flammability: 1
- Physical hazard: 0

**NFPA ratings**

- Health: 3
- Flammability: 1
- Instability: 0

**Disclaimer**

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company’s knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.