

Procter&Gamble

Professional®

MATERIAL SAFETY DATA SHEET

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

Components	CAS #	Percent
HYDROCHLORIC ACID	7647-01-0	7-13

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	
Suitable extinguishing media	Water. Water spray. Dry powder. Carbon dioxide (CO2).
Protection of firefighters	
Specific hazards arising from the chemical	Fire may produce irritating, corrosive and/or toxic gases.
Protective equipment and precautions for firefighters	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

US. ACGIH Threshold Limit Values

Components	Type	Value
HYDROCHLORIC ACID (7647-01-0)	Ceiling	2.0000 ppm

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

Components	Type	Value
HYDROCHLORIC ACID (7647-01-0)	Ceiling	5.0000 ppm 7.0000 mg/m3

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	Wear protective gloves. Neoprene gloves. Latex gloves.
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

Components

Test Results

HYDROCHLORIC ACID (7647-01-0)

Acute Dermal LD50 Mouse: 1449 mg/kg
 Acute Inhalation LC50 Mouse: 1108 mg/l 1.00 Hours
 Acute Inhalation LC50 Rat: 3124 mg/l 1.00 Hours
 Acute Oral LD50 Rabbit: 900 mg/kg
 Acute Other LD50 Mouse: 1449 mg/kg

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.
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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
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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State regulations

ILLRTK

Contains no Illinois Right To Know toxic substances.

US - Connecticut Hazardous Material Survey: Listed substance

HYDROCHLORIC ACID (CAS 7647-01-0)	LISTED
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US - Illinois Chemical Safety Act: Listed substance

HYDROGEN CHLORIDE (GAS ONLY) (CAS 7647-01-0)	HYDROCHLORIC ACID HYDROGEN CHLORIDE (GAS ONLY)
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US - Louisiana RTK Reporting: Listed substance

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

HYDROCHLORIC ACID (CAS 7647-01-0)	LISTED
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US - New Jersey Community RTK (EHS Survey): Listed substance

HYDROCHLORIC ACID (CAS 7647-01-0)	LISTED HYDROCHLORIC ACID (>= 37% CONCENTRATION)
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US - New Jersey RTK - Hazardous substance

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

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) HYDROCHLORIC ACID LISTED
 HYDROGEN CHLORIDE (GAS ONLY) LISTED
 HYDROGEN CHLORIDE 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

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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.