



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

84951041

MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2003/TMTG-SNKJQN_v. 2
Supersedes: 06/05

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Issue Date:

SECTION I - PRODUCT IDENTIFICATION

Identity: Toilet Bowl Cleaner

Finished Product

Brands: P&G Pro Line Thickened Acid Toilet Bowl Cleaner

P&G Telephone Number: 1-888-4PGProline

or call Local Poison Control Center or your physician.

Emergency (24 hour) Telephone Number: CHEMTREC 1-800-424-9300 U.S. and Canada,
or 1-703-527-3887 - for calls originating elsewhere.

SECTION II - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Ingestion: Concentrate: Harmful or fatal if swallowed. Mucous membrane irritant.
Use Dilution: Mild mucous membrane irritant. May result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea.

Eye Contact: Concentrate: Eye irritant. May cause permanent damage to eyes if not promptly treated.
Use Dilution: May cause mild irritation.

Skin Contact: Concentrate: Causes skin damage. May aggravate existing skin conditions.
Use Dilution: May cause mild skin irritation.

Inhalation: Concentrate: Mucous membrane irritant.
Use Dilution: N/A

Signs and Symptoms of Exposure:

Ingestion: Irritation or burning sensation.

Eye Contact: Irritation or burning sensation.

Skin Contact: Irritation or burning sensation.

Inhalation: Irritation or burning sensation.

Medical Conditions Generally Known to be Aggravated by Exposure: May aggravate skin disorders or respiratory ailments.

Potential Environmental Effects: (See Section 12 for more information)

SECTION III - COMPOSITION AND INGREDIENTS

Ingredients listed on the product label are: Hydrogen chloride, n-Alkyl (C₁₄ 60%, C₁₆ 30%, C₁₂ 5%, C₁₈ 5%) Dimethyl benzyl ammonium chlorides, n-Alkyl (C₁₂ 68%, C₁₄ 32%) Dimethyl ethylbenzyl ammonium chlorides, other ingredients.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200, and/or WHMIS under the HPA:

Chemical Name	Common Name	CAS No.	Composition Range	LD50/LC50
Hydrochloric Acid		7647-01-0	9.5% (label)	
Nonoxynol		9016-45-9	1.0%	
Amine Ethoxylate		61791-24-0	1.0%	

SECTION IV - FIRST AID INFORMATION

First Aid Procedures: Have the product container or label with when calling a Poison Control Center or doctor, or going for treatment.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth to an unconscious person.

Note to Physician: (if applicable) Probable mucosal damage may contraindicate use of gastric lavage.

Other: Consumer product package has the following precautionary statement:

DANGER: CORROSIVE. Causes eye and skin damage. May be fatal if swallowed. Do not breathe vapor or fumes. Do not get in eyes, on skin or on clothing. Wear goggles or face shield and rubber gloves when handling. Use with adequate ventilation.

SECTION V - FIRE FIGHTING INFORMATION		
Flash Point (Method Used): approx. 212°F / 100°C		
Flammable Properties:		
Upper Flammable Limit:		
Lower Flammable Limit:		
Explosive Limits:	UEL: N/A	LEL: N/A
Auto-ignition Temperature:		
Hazardous Combustion Products:		
Explosion Data (Sensitivity to Mechanical Impact):		
Explosion Data (Sensitivity to Static Discharge):		
Extinguishing Media:		
Suitable: Water, CO2, foam or media suitable for surrounding fire.		
Unsuitable:		
Protection of Firefighters:		
Specific Hazards Arising from the Material: None known.		
Protective Equipment and Precautions for Firefighters: Standard fire fighting procedures may be followed, including full protective gear, NIOSH approved self-contained breathing apparatus.		

SECTION VI - ACCIDENTAL RELEASE MEASURES
Personal Precautions: None required.
Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Do not landfill. Keep product out of storm sewers or waterways. Hold for disposal. Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.
Methods for Containment: Wear appropriate protective equipment. If possible, contain spill and collect in an approval container. Try to prevent from reaching waterway or sewer. Product is a RCRA corrosive hazardous waste, D002, because of its low pH.
Methods for Cleanup: Do not landfill. Hazardous waste treatment to reduce pH is necessary prior to disposal.
Other Information: (if applicable)

SECTION VII - HANDLING AND STORAGE
Precautions To Be Taken in Handling: Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Store in original container, in cool dry place with adequate ventilation.
Precautions To Be Taken in Storage: Keep out of reach of children. Keep container tightly closed when not in use.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION
Exposure Guidelines:
Engineering Controls: Ventilation - Local Exhaust - As necessary.
Personal Protective Equipment (PPE):
Eye/Face Protection: Chemical resistant goggles or face shield.
Skin Protection: Water impervious (latex or neoprene) gloves.
Respiratory Protection: Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Specify all temperatures in °F and °C

Appearance (color, physical form, shape): Green liquid	Flash Point (Method Used): None
Odor: Floral fragrance	Reserve Alkalinity: N/A
Odor Threshold: N/A	Solubility in Water: Complete
Physical State: Liquid	Decomposition Temperature: N/A
Vapor Pressure (mm Hg): N/A	Evaporation Rate (nBuOAc=1): >1%
Vapor Density (Air=1): N/A	Specific Gravity/Density: 1.050
Boiling Point: Approx. 212°F / 100°C	Melting/Freezing Point: N/A
Partition Coefficient (n-octanol/water): N/A	pH (specify % solution): <1%
Volatile Organic Compound (VOC): Product complies with State and Federal regulations for VOC content.	

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: Do not mix with chlorine bleach or other chemicals.

Hazardous Decomposition Products: Thermal decomposition on burning may produce toxic vapors or gases.

Possibility of Hazardous Reactions: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rats oral): Actives: Hydrochloric Acid (7647-01-0); 900 mg/kg in rabbits

Oral ingestion of this product may cause burning of the mouth and GI tract.

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: NTP: No IARC: No OSHA: No

SECTION XII - ECOLOGICAL INFORMATION

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with federal, state/provincial and local regulations. Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261).

Container: Do not landfill. Hazardous waste treatment to reduce pH is necessary prior to disposal. Triple rinse and recycle.

