



Procter & Gamble  
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## MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2005/TWTG-6E8QW7

Issue Date: 11/05

Supersedes: New

Issue Date: N/A

### SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Hard Surface Cleaner**Brands: **P&G PRO LINE Heavy Duty Spray Cleaner for Automatic Dilution**

Hazard Rating:	Health: 2	4=EXTREME
	Flammability: 2	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
		0=NO SIGNIFICANT RISK

Customer Service: 1-888-474-7765 or call Local Poison Control Center

### SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Cleaning agents (nonionic surfactant, glycol ethers, MEA), water, colorant and perfume

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

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
2-aminoethanol	Monoethanol-amine	141-43-5	ACGIH TLV: 3 ppm OSHA PEL: 3 mg/m <sup>3</sup> OSHA PEL: 6 ppm (15 min)	7-10%	

### SECTION III - HAZARDS IDENTIFICATION

**Health Hazards (Acute and Chronic):**

Eye Contact:	Concentrate causes eye damage. Use dilution may cause mild eye irritation
Skin:	Concentrate may cause skin burns. Use dilution may cause mild skin irritation.
Ingestion:	Mucous membrane irritant. may result in mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, uncoordination and headache.
Inhalation:	Mucous membrane irritant

**SECTION IV - FIRST AID INFORMATION****Emergency and First Aid Procedures:**

- Eye contact: Flush immediately with water and remove contact lenses if applicable. Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
- Skin irritation: Wash with plenty of soap and water. Get medical attention if irritation persists..
- Oral ingestion: DO NOT induce vomiting. Rinse mouth with water. Promptly drink a large quantity of water or milk. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give water again. NEVER give anything by mouth to an unconscious or convulsing person. Call a doctor or get medical attention immediately.
- Inhalation: If a large amount of product is inhaled, get fresh air.

**\*\*NOTE TO PHYSICIAN:** Treat exposed patients symptomatically.

**Other:** Product package has a caution statement: DANGER: KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, protective clothing and rubber gloves when handling concentrate. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**SECTION V - FIRE FIGHTING INFORMATION**

**Flash Point (Method Used):** > 65°C /150°F

**Explosive Limits:** LEL: N/A UEL: N/A

**Extinguishing Media:** Use water spray, dry chemical, carbon dioxide or foam extinguishing agents unless contraindicated by surrounding environment.

**Special Fire Fighting Procedures:** Prevent human exposure to fire, smoke, fumes or products of combustion. All ignition sources should be extinguished. Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing. Keep containers cooled with water spray to prevent rupture from excess heat.

**SECTION VI - ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** N/A

**Environmental Precautions:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small quantities may be slowly flushed down sewer with excess water or dispose as liquid scrap. Discard empty container in trash.

**Steps To Be Taken in Case Large Amounts Material are Released or Spilled:** Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Absorb spilled product onto absorbant material.

**SECTION VII - HANDLING AND STORAGE**

**Precautions To Be Taken in Handling and Storing:** Avoid contact with skin or eyes. Avoid breathing vapor, spray or mist. Use product only according to label directions. If unsure about safe use, contact your supervisor immediately. Wash with soap and water after handling. Store in original container in a cool, dry, well-ventilated area. Store away from food or feed. Containers should be kept tightly closed when not in use. Keep in an area inaccessible to small children.

**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**Respiratory Protection (Specify Type):** None required with normal use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to avoid overexposure. An approved dust/mist respirator would be recommended.

**Ventilation:** General. In areas where sprays or mists may be generated, proper ventilation in accordance with good industrial hygiene should be provided.

**Eye Protection:** Chemical resistant goggles or face shield required when handling concentrate. None required at use dilution.

**Protective Gloves:** Rubber gloves are required when handling concentrate. None required at use dilution.

**Other Protective Equipment:** None required with normal use. Easily accessible water source is needed.

**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Point °C /°F:** 82 – 100°C /180-212°F

**Specific Gravity (H<sub>2</sub>O=1):** 1.000

**Vapor Pressure (mm Hg):** N/A

**Percent Volatile by Volume (%):** >90%

**Vapor Density (Air=1):** N/A

**Evaporation Rate (nBuOAc=1):** > water

**Odor Threshold:** N/A

**Freezing Point:** < 32°F

**Solubility in Water:** Complete

**pH (100% solution):** 11.0 – 12.5

**Appearance and Odor:** Violet blue liquid

**Reserve Alkalinity:** N/A

Product is perfumed with pine scent.

**SECTION X - STABILITY AND REACTIVITY**

**Possible Hazardous Reactions/Conditions/By Products:** None known

**Conditions to Avoid:** Temperatures above 54°C /130°F or below 0°C /32°F

**Materials to Avoid:** Do not mix with other chemicals. Hazardous conditions may arise from improper mixing of chemicals.

**Hazardous Decomposition Products:** Thermal decomposition may generate toxic materials such as oxides of carbon and nitrogen.

**Other Recommendations:** None

**Stability:** Stable at ambient temperatures

**Hazardous Polymerization:** Will not occur.

**SECTION XI - TOXICOLOGICAL INFORMATION****SECTION XII - ECOLOGICAL INFORMATION**

No concerns at relevant environmental concentrations.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Small quantities may be disposed of via sewer. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Discard empty container in trash.

**SECTION XIV - TRANSPORT INFORMATION**

**DOT Classification:** This material is not regulated by the US Department of Transportation.

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All intentionally added components are listed on the US TSCA Inventory.

No components of P&G ProLine Heavy Duty Spray Cleaner for Automatic Dilution are subject to California Proposition 65.

Procter & Gamble's importation of this product into Canada is in compliance with all CEPA NSN Regulations. This product has been classified with the Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Controlled Products Regulation.

**SECTION XVI - OTHER INFORMATION**

\*N/A. - Not Applicable

\*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.