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Procter & Gamble
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MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2005/BCWT-697KTZ
Supersedes: N/A

Issue Date: 04/05
Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **GLASS CLEANER**

Brands: **P&G PRO LINE CONCENTRATE GLASS CLEANER**

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

Emergency Telephone Number: 1-888-474-7765 or call local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Water, anionic surfactants, glycol ether.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium Lauryl Sulfate	SLS	151-21-3	N/A	N/A	N/A
(C10-C16) alcohol ethoxylate, sulfated, sodium salt	Anionic surfactant	68585-34-2	N/A	N/A	N/A
Propylene glycol monobutyl ether	Glycol ether PnB	5131-66-8	N/A	N/A	N/A
Sodium xylene sulfonate	Sodium xylene sulfonate	1300-72-7	N/A	N/A	N/A

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause irritation of mucosal linings of the mouth, throat, esophagus or stomach.
Inhalation: N/A
Eye Contact: Eye irritant. May cause irritation.
Skin Contact: Skin irritant. May cause irritation with possible redness. Severity of action is highly dependent on contact time.

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in stomach distress.
Eye Contact: May cause transient irritation (stinging, tearing, itching).
Skin Contact: May cause irritation (redness, drying, etc.) depending on exposure.
Inhalation: N/A

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

- Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Then give 1-2 glasses of water or milk and call a physician or poison control center immediately. If vomiting occurs, keep head below hips to reduce risk of aspiration. Give water again. NEVER given anything by mouth to a person who is unconscious or convulsing. If symptoms persist, seek immediate medical attention.
- Eye Contact:** Flush immediately with water and remove contact lenses, if applicable. Flush with large quantities of water for 15 minutes. If symptoms persist, seek medical attention.
- Skin Contact:** Remove contaminated clothing and shoes immediately. Wash with soap and plenty of water for 15 minutes. Wash contaminated clothing before reuse. If symptoms persist, seek medical attention.
- Inhalation:** N/A

Other: Product package states "KEEP OUT OF REACH OF CHILDREN".

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): >98.8°C / >210° F **Explosive Limits:** LEL: N/A UEL: N/A
(Pensky-Martens Closed Cup, ASTM-D93)

Extinguishing Media: Use water, dry chemical, CO₂ or foam extinguishing agents unless contraindicated by surrounding environment.

Special Fire Fighting Procedures: Standard fire fighting procedures. Keep containers cooled with water spray to prevent rupture from excess heat.

Unusual Fire Hazards: None known.

Stability *Unstable:* *Conditions to Avoid:* None known.
Stable: X

Incompatibility (Materials to Avoid): None known.

Hazardous Decomposition/By Products: Thermal decomposition of this product may generate oxides of carbon and nitrogen.

Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None known.
Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable personal protective equipment/clothing to avoid skin and/or eye contact.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. Contain spill with inert material (sand, clay). Transfer liquid and solids to separate containers for recovery or proper disposal. Keep spill out of storm sewers and open bodies of water. After removal, flush area with water.

Steps To Be Taken in Case Material is Released or Spilled: If spilled, floors may be extremely slippery. Wear appropriate personal protective equipment/clothing to avoid skin and/or eye contact. Contain the spill and collect in an approved container for recovery or proper disposal. Keep spill out of storm sewers and open bodies of water. Rinse affected area thoroughly with water.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Avoid contact with skin and eyes. Wash with soap and water after handling. Store in original container in cool, dry place with adequate ventilation. Store away from food or feed. Keep container tightly closed when not in use. Keep out of reach of children.

Other Precautions: None required.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): None required with normal use.

Ventilation *Local Exhaust:* General ventilation. *Special:* None
 Mechanical (General): General ventilation is acceptable. Where *Other:* None
 exposure cannot be adequately controlled by general or local ventilation,
 use appropriate respiratory protection to prevent over exposure.

Eye Protection: None required with normal use.

Industrial Setting: Chemical goggles or face shield. Eye wash station recommended.

Protective Gloves: None required with normal use.

Industrial Setting: Use water impervious gloves (i.e., latex, neoprene rubber).

Other Protective Equipment: None required with normal use.

Industrial Setting: Safety shower is recommended.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: ~100°C / ~212°F

Specific Gravity (H₂O=1): 1.0075 ± 0.0075

Vapor Pressure (mm Hg): Unknown

Percent Volatile by Volume (%): >70%

Vapor Density (Air=1): Unknown

Evaporation Rate (nBuOAc=1): >water

Odor Threshold: N/A

Freezing Point: <0°C / <32°F

Coefficient of Water/Oil Distribution: N/A

pH (10% solution): 7.5

Reserve Alkalinity: N/K

Solubility in Water: Complete

Appearance and Odor: Colored liquid.

Physical State: Liquid

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known.

Hazardous Polymerization: None known.

Stability: Stable.

Conditions to Avoid: Temperatures >54.4°C / >130°F or <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

SECTION XI - TOXICOLOGICAL INFORMATION

This product has not been evaluated for its acute and/or chronic toxicological profile. No skin sensitization data is currently available. This product does not contain a listed carcinogen from NTP, ACGIH or IARC.

SECTION XII - ECOLOGICAL INFORMATION

The ecological toxicity of this product is not known.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN ACCORDANCE WITH FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. Empty containers should be triple rinsed and offered for recycling or reconditioning, or disposed of in a sanitary landfill. Small containers ($\leq$ 1 gallon) may be wrapped and discarded in trash.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: This product is not a hazardous material and is not regulated under DOT per 49 CFR 173.150(f).

SECTION XV - ADDITIONAL REGULATORY INFORMATION**CERCLA listed chemicals:**

Isopropyl Alcohol (CAS# 67-63-0), RQ = 100 lbs.

n-Butyl Alcohol (CAS# 71-36-3), RQ = 5000 lbs.

Methyl Alcohol (CAS# 67-56-1), RQ = 5000 lbs.

EPCRA (SARA Title III) Section 313 Toxic Chemicals:

Isopropyl Alcohol (CAS# 67-63-0), with a de minimus of 1.0%.

n-Butyl Alcohol (CAS# 71-36-3), with a de minimus of 1.0%.

Methyl Alcohol (CAS# 67-56-1), with a de minimus of 1.0%.

All intentionally-added components of P&G Pro Line Concentrate Glass Cleaner are listed on the US TSCA Inventory. No components are subject to Significant New Use Rules (SNURs) under TSCA §5.

All ingredients are CEPA approved for import to Canada by Procter & Gamble. 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.

P&G Pro Line Concentrate Glass Cleaner is not subject to warning labeling under California Proposition 65.

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.