



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

MATERIAL SAFETY DATA SHEET

MSDS: RQ0701623

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SECTION I - PRODUCT IDENTIFICATION

Identity: **Liquid Laundry Detergent** **Finished Product**

Brands: P&G PROLINE TIDE

P&G Telephone Number: 1-888-4PG-PROLINE (1-888-474-7765)

or call Local Poison Control Center or your physician.

SECTION II - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause transient gastrointestinal irritation.

Eye Contact: May cause mild, transient irritation.

Inhalation: Transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting, and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.

Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.

SECTION III - COMPOSITION AND INGREDIENTS

Ingredients include: These products contain < 0.2% detergent enzyme protein.

Hazardous ingredients as defined by OSHA 29 CFR 1910.1200 (HCS):

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition</u> <u>Range</u>	<u>LD50</u>
Ethyl alcohol	Ethanol	64-17-5	1-5%	
2-Aminoethanol	(Mono)Ethanolamine	141-43-5	1-5%	
Sodium Borate	Borax	1330-43-4	1-5%	

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

Ingestion: Drink a glassful of water.

Eye Contact: Flush with water for 10 to 15 minutes.

Skin: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes.

If symptoms persist or reoccur, seek medical attention.

Other: Product package has a caution statement: CAUTION: Eye irritant. May be harmful if swallowed. KEEP OUT OF REACH OF CHILDREN. CAUTION: Eye irritant. May be harmful if swallowed. In case of eye contact, flush with water. If swallowed, give a glassful of water or milk. Call a physician.

SECTION V - FIRE FIGHTING INFORMATION

Flammable Properties: These products have a Flash Point > 200⁰ F., and they do not sustain combustion. **Explosive Limits:** *LEL:* N/A *UEL:* N/A
Autoignition Temperature: N/A

Suitable Extinguishing Media: CO₂, water, foam, dry chemical.

Unsuitable Extinguishing Media: Not known.

Protection of Fire Fighters:

- **Specific Hazards arising from the chemical mixture:** Not known.
- **Protective Equipment and Precautions for Firefighters:** Standard self-contained breathing apparatus (SCBA) and full fire fighting turn-out gear (Bunker gear).

SECTION VI - ACCIDENTAL RELEASE MEASURES

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Incinerate product. Do not landfill.

Methods for Containment: Prevent spills from reaching waterways. Sorbents may be used if needed.

Methods for Cleanup: Do not landfill. Dispose of in accordance with all federal, state/provincial and local regulations.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: No unusual precautions necessary.

Other Precautions: None

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines: Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm
OSHA Z-1 PEL 1000 ppm

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

Ventilation *Local Exhaust:* None required with normal consumer use. *Special:* None

Mechanical (General): Normal/general dilution ventilation is acceptable. *Other:* None

Eye Protection: *Industrial Setting:* If a splash is likely, chemical goggles may be needed.

Protective Gloves: *Industrial Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Other Protective Equipment: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Product is blue in color and perfumed.

Flash Point: Range: > 200⁰F. (CC), and these products do not sustain combustion.

Odor: Product contains perfume/fragrance.

Evaporation Rate (nBuOAc=1): Not known

Odor Threshold: Not known.

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

Physical State: Liquid.

Percent Volatile by Volume (%): 30 – 40

Vapor Pressure Range (mm Hg): 18 - 21 @ 68°F.
(20⁰ C) (mostly water)

Specific Gravity (H₂O=1): 1.04 to 1.09

Vapor Density (Air=1): Not known

Melting/Freezing Point: N/A

Boiling Point Range °F: 210 - 216° F (98.9⁰ – 102.2⁰ C)

pH (10% solution): 8.1 to 8.6

Coefficient of Water/Oil Distribution: N/A

Reserve Alkalinity: N/A

Solubility in Water: Completely soluble.

Volatile Organic Compound (VOC): Not applicable

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: None known.

Possibility of Hazardous Reactions: None known.

SECTION XI - TOXICOLOGICAL INFORMATION

Liquid Cheer formulas have a low order of toxicity. If ingested, it may be mildly irritating. It is expected to be moderately emetic.

LD50 (oral, estimated): > 2g/kg

ED50 (emesis, estimated): ~ 0.5 g/kg

Chronic Effects: No chronic health effects reported.

Target Organs: No target organs reported.

Carcinogenicity: NTP: No

IARC: No

OSHA: No

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual ingredients in these mixtures, and for related consumer household cleaning product formulations, it is expected that these mixtures would exhibit a non-hazardous order of toxicity at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

Industrial Setting: For non household use/larger quantities, incineration is preferred. Do not landfill.

SECTION XIV - TRANSPORT INFORMATION

U.S. D.O.T.: These products are not regulated when transported by ground.

IATA: These products are not regulated when transported by air.

IMDG: These products are not regulated when transported by vessel.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

UNITED STATES - FEDERAL

All intentionally-added components of this product are listed on the US TSCA Inventory.

EPA Registration Number: Not Applicable

SARA chemicals: This product contains the following SARA 313/302/304/311/312 chemicals: NONE

STATES:

This product is not subject to warning labeling under California Proposition 65.

California Registration Number: Not Applicable.

State Right-to-Know and CERCLA:

The following ingredients present in the finished product are listed on state right-to-know lists or state worker exposure lists:

Ingredient	CAS#	Level	State							CERCLA RQ
			CA	CT	IL	IN	KY	LA	MA	
Ethanol	64-17-5	1-5%	CA	CT	IL	IN	KY	LA		100 lbs.
			MA	MN	NJ	NC	PA	RI		
MEA	141-43-5	1-5%	CA	CT	IL	IN	KY	LA	MA	N/A
			MN	NC	NJ	OR	PA	RI		
Propylene Glycol	57-55-6	1-5%	MN	PA	RI					N/A
Diethylene Glycol	111-46-6	1-5%	CA	MN	PA	RI				N/A
Borax	1330-43-4	1-5%	CA	MA	MN	NC	PA	TX		

Canada

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

SECTION XVI - OTHER INFORMATION

Perfumes contained within these products covered by this MSDS comply with appropriate IFRA guidance.

*N/A. - Not Applicable

*N/K. - Not Known

P&G Hazard Rating:

Health: 2

Flammability: 1

Reactivity: 0

4=EXTREME

3=HIGH

2= MODERATE

1=SLIGHT

0=NOT SIGNIFICANT

Data supplied is for use only in connection with occupational safety and health.

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 assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.