



Commercial Products Group
CPG TN 6
2 Procter & Gamble Plaza
Cincinnati, OH 45202

HMIS®
Health 1
Flammability 0
Reactivity 0

MATERIAL SAFETY DATA SHEET

Issue Date: 2/99

SECTION I

Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100

Identity: **TIDE Liquid Laundry Detergent**

Ingredients/Chemical Name: Cleaning agents (anionic, and nonionic surfactants, enzymes), water softeners (sodium citrate), dispensing aids (propylene glycol), buffering agents, water, stabilizing agents, soil suspending agent, fabric whiteners, colorant, and perfume

Other: N.A.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910. 1200.

Chemical Name	Common Name	CAS No.	ACGIH TLV	OSHA PEL	Other Limits Recommended
Ethanol	Ethyl Alcohol	64-17-5	1000 ppm 1900 mg/m ³	1000 ppm 1900 mg/m ³	
2-Aminoethanol	Ethanolamine	141-43-5	7.5 mg/m ³		

DOT Classification: Combustible liquid not regulated in packaging of less than 110 gallons (UN 1993).

This mixture when tested as a whole is considered an eye irritant within the meaning of the OSHA Hazard Communication Standard.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): 210°F	Specific Gravity (H₂O = 1): 1.139
Vapor Pressure (mm Hg): N.A.	Percent Volatile by Volume (%): ~45%
Vapor Density (Air=1): N.A.	Evaporation Rate (nBu0Ac=1): N.A.
Solubility in Water: Completely	Appearance and Odor: Dark amber color. Product is perfumed.
pH (10% solution): ~7.9	

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): >200°F (TCC)	Explosive Limits: LEL: N.A. UEL: N.A.
Extinguishing Media: Use CO ₂ or water	
Special Fire Fighting Procedures: None. This product has a flash point above 200°F(closed cup), it is an aqueous solution containing ethyl alcohol and it does not sustain combustion.	
Unusual Fire Hazards: None Known	
Stability Unstable: Stable: X	Conditions to Avoid: None Known
Incompatibility (Materials to avoid): None Known	
Hazardous Decomposition/By Products: None Known	
Hazardous May Occur:	Conditions to Avoid: None Known
Polymerization Will Not Occur: X	

SECTION V - HEALTH AND SAFETY DATA

Route(s) of Entry: Eye contact, skin contact, oral, inhalation
Health Hazards (Acute and Chronic): Eye: May cause mild to moderate transient irritation. Skin: Transient irritation with prolonged exposure to concentrated material. Ingestion: Ingestion may cause mild gastrointestinal irritation. Inhalation: If sprayed, may be irritating to respiratory tract.
Signs and Symptoms of Exposure: Eye: May cause stinging, tearing, itching, swelling and/or redness. Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin. Ingestion: May result in nausea, vomiting, and/or diarrhea.
Medical Conditions Generally Aggravated by Exposure: None known.
Emergency and First Aid Procedures: *Eye contact:* Flush with water for 10 - 15 minutes. *Skin Contact:* If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. *Ingestion:* Give a glassful of water. If symptoms persist or reoccur, seek medical attention.
Other: Product package has caution statement. "Caution: Eye irritant. Harmful if swallowed. Keep out of reach of children. If swallowed, give a glassful of water. Call a physician. In case of eye contact, flush with water."

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be Taken in Handling and Storing: No unusual precautions necessary.
Other Precautions: None
Steps to be Taken in Case Material is Released or Spilled: Flush small quantities down acceptable sewer (contains biodegradable surfactants). Prevent spills from reaching a waterway. Solvents may be used.
Waste Disposal Method: Disposal is to be performed in compliance with all regulations. Small or household quantities may be disposed of in sewer. For larger quantities, incineration is preferred. Do not landfill.

SECTION VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): None required with normal use.
Ventilation *Local Exhaust:* None required with normal use. *Special:* None
 Mechanical (General): Normal/general dilution *Other:* None
 ventilation is acceptable
Eye Protection: None required with normal use. If a splash is likely, chemical goggles may be needed. **Protective Gloves:** None required with normal use. Protective gloves (rubber, neoprene) should be used for prolonged direct contact.
Other Protective Equipment: None necessary under normal use.

*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.