

PROCTER & GAMBLE

HMIS®
Health 1
Flammability 0
Reactivity 0

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

MATERIAL SAFETY DATA SHEET

Issue Date: 6/99

| SECTION I | |
|--|--|
| Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100 | |
| Identity: LIQUID TIDE with BLEACH ALTERNATIVE | |
| 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 | 64-17-5 | 1000 ppm | 1000 ppm | |
| | Alcohol | | 1900 mg/m ³ | 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 (H ₂ O = 1):: 1.079 |
| Vapor Pressure (mm Hg): N.A. | Percent Volatile by Volume (%): ~51% |
| Vapor Density (Air=1): N.A. | Evaporation Rate (nBuOAc=1): N.A. |
| Solubility in Water: Completely | Appearance and Odor: Blue color. Product is perfumed. |
| pH (10% solution): ~8.0. | |

| 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: | Conditions to Avoid: None Known |
| | Stable: X | |
| Incompatibility (Materials to avoid): None Known | | |
| Hazardous Decomposition/By Products: None Known | | |
| Hazardous Polymerization | May Occur: | Conditions to Avoid: None Known |
| | Will Not Occur: X | |

LIQUID TIDE with BLEACH ALTERNATIVE Material Safety Data Sheet

| 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. Sorbents 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 ventilation is acceptable | Other: None |
| 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.

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MATERIAL SAFETY DATA SHEET

Dear Customer:

Attached is a Material Safety Data Sheet (MSDS) for our product, **LIQUID TIDE with BLEACH ALTERNATIVE**. This MSDS was written to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200). The intent of the Standard is to protect workers in industrial situations from hazardous materials in the work place; however, the scope of the Standard covers some cleaning product ingredients.

Liquid Tide with Bleach Alternative is "hazardous" within the meaning of the OSHA Hazard Communication Standard because of its ethanol content and because the mixture, when tested as a whole, is considered an eye irritant. Ethanol is considered hazardous because of its flammability and vapors which can be irritating to eyes and upper respiratory passages. The effects of accidental eye contact are expected to be slight and transient, similar to those produced by mild toilet soaps and household detergents. The product has a DOT Classification as follows: Combustible Liquid - not regulated in packaging of less than 110 gallons; however, Liquid Tide with Bleach Alternative does not sustain combustion nor does it pose a significant fire hazard when used as intended.

Thank you for your interest in our products.

THE PROCTER & GAMBLE COMPANY
Commercial Products Group

Attach.