

----- MATERIAL SAFETY DATA SHEET -----

Procter & Gamble

ULTRA LIQUID TIDE (LIQUID LAUNDRY DETERGENT)

JT

MANUFACTURER: PROCTER & GAMBLE
 LAUNDRY & CLEANING PRODUCTS DIVISION
 SHARON WOODS TECHNICAL CENTER
 11520 REED HARTMAN HIGHWAY
 CINCINNATI, OHIO 45241-2422

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INCOMPATIBILITY (Materials to avoid): None.
 HAZARDOUS DECOMPOSITION/BY PRODUCTS: None.
 HAZARDOUS POLYMERIZATION: Will not occur
 CONDITIONS TO AVOID: None

SECTION V - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic):
 INGESTION: May cause transient gastrointestinal irritation.
 EYE CONTACT: May cause mild transient irritation.
 SKIN: 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.
 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: Consumer product package has a 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 known.
 STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
 Prevent spills from reaching a waterway. Sorbents may be used.
 WASTE DISPOSAL METHOD: Disposal is to be performed in compliance with all regulations. Diluted solutions with Liquid Tide may be allowed to be flushed down sewer. First check with your local water treatment plant. 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.
 MECHANICAL (General): Normal/general dilution ventilation is acceptable.
 SPECIAL: None
 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 required with normal use.

N.A. - Not Applicable
 N.K. - Not Known

SECTION I

EMERGENCY TELEPHONE NUMBER: 1-800-879-8433 or call Local Poison Control Center

IDENTITY: Ultra Liquid Tide (liquid laundry detergent) JT
 INGREDIENTS/CHEMICAL NAME: Cleaning agents (anionic and nonionic surfactants, enzymes), water softeners, stabilizers (propylene glycol), water, soil suspending agents, color protection agent, suds suppressor, fabric brightener, colorant and perfume.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Chemical Name:	Common Name	ACGIH TLV	OSHA PEL	Other OSHA Limits Recommended
Ethyl Alcohol CAS No.: 64-17-5	Ethanol	TWA 1880 mg/m(3)	1900 mg/m(3)	TWA 1900 mg/m(3)
2-Aminoethanol CAS No.: 141-43-5	Ethanol-amine	TWA 7.5 mg/m(3)	6 mg/m(3)	TWA 8 mg/m(3)
Sodium hydroxide CAS No.: 1310-73-2	Caustic soda	STEL 2 mg/m(3)	2 mg/m(3)	
Sodium borate CAS No.: 1303-96-4	Borax	TWA 5 mg/m(3)		TWA 10 mg/m(3)

See Section V - Health and Safety Data

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (deg F): 201 deg F
 VAPOR PRESSURE (mm Hg.): 1/1 PSI
 VAPOR DENSITY (AIR = 1): Unknown
 SOLUBILITY IN WATER: Completely soluble
 SPECIFIC GRAVITY (H2O = 1): 1.076 g/cc
 PERCENT VOLATILE BY VOLUME (%): Unknown
 EVAPORATION RATE (nBuOAc = 1): Unknown
 APPEARANCE AND ODOR: Straw yellow color, product is perfumed.

SECTION IV - FLAMMABILITY AND REACTIVITY

FLASH POINT (Method Used): 131 deg F (PM CC)
 EXPLOSIVE LIMITS:
 LEL: N.A.
 UEL: N.A.
 EXTINGUISHING MEDIA: CO2, water
 SPECIAL FIRE FIGHTING PROCEDURES: None. Although this product has a flash point above 200 deg F (closed cup), it is an aqueous solution containing ethyl alcohol which does not sustain combustion.
 UNUSUAL FIRE HAZARDS: None
 STABILITY: Stable
 CONDITIONS TO AVOID: None

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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 are for use only in connection with occupational safety and health.

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