



MATERIAL SAFETY DATA SHEET

MSDS: FH/H/2007/LHLA-6ZKSGZ
FH/H/2007/LHLA-6YVQ75
FH/H/2006/LHLA-6PVQ92
FH/H/2006/LHLA-6PTKDL
FH/H/2006/SDSM-6QXHAH(S)

Issue Date: 06/04/07

SECTION I - PRODUCT IDENTIFICATION

Identity: **Liquid Laundry Detergent** (All 2X Concentrated Variations for Retail*)

**Brands: All TIDE 2X Concentrated High Efficiency (HE) ,
2X Concentrated Tide Simple Pleasures, and
2X Concentrated Tide Pure Essentials Detergents**

(Tide Reg. HE, Tide Free HE, Tide Clean Breeze HE, Tide w/Bleach Alt. HE, Tide w/Febreze Freshness Spring & Renewal HE, Tide Simple Pleasures Rose & Violet, Vanilla & Lavender, Water Lily & Jasmine, Magnolia & Orange Blossom, Tide Pure Essentials with Baking Soda, and Tide Pure Essentials with Citrus Extracts)

Emergency Telephone Number: 24hr P&G Operator – 1-800-879-8433

* **This MSDS applies to** all uses/handling of these products in a retail package for consumer home use.

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/Chemical Name: Biodegradable surfactants (anionic and nonionic) and enzymes. Biodegradable surfactants (anionic, nonionic, and cationic) and enzymes.					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
Chemical Name	Common Name	CAS No.	Recommended Limits	Composition Range	LD50/LC50
Ethyl alcohol	Ethanol	64-17-5	ACGIH TWA: 1880 mg/m ³ OSHA PEL & TWA: 1900 mg/m ³	1 - 5%	7.06 g/kg (oral, rat)
Sodium borate	Borax	1330-43-4	ACGIH TWA: 5mg/m ³	1 - 5%	5.66 g/kg (oral, rat)
2-Aminoethanol	Ethanolamine	141-43-5	ACGIH TWA: 7.5 mg/m ³ ACGIH STEL: 15 mg/m ³ OSHA PEL: 6 mg/m ³ OSHA TWA: 8 mg/m ³ OSHA STEL: 15 mg/m ³	0.5 - 5%	1.7g/kg (oral, rat)

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: 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 V - FIRE FIGHTING INFORMATION	
Flammable Properties: These products have a Flash Point > 200 ⁰ F., and they do not sustain combustion per D.O.T. 49 CFR 173 Appendix H method.	Explosive Limits: LEL: N/A UEL: N/A Autoignition Temperature: N/A
Suitable Extinguishing Media: CO ₂ , 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	
Personal Precautions: None	
Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS. Small or household quantities may be disposed of in refuse or in sewer. First check with your local water treatment plant. For larger quantities, incineration is preferred. Do not landfill.	
Steps To Be Taken in Case Material is Released or Spilled: Flush small or household quantities down acceptable sewer (contains biodegradable surfactants). Prevent spills from reaching a waterway. Sorbents may be used.	

SECTION XI - TOXICOLOGICAL INFORMATION

Liquid Tide 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: Products covered by this MSDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with all Federal, state/provincial and local regulations.

Household Use: Consumer produced household solutions may be disposed of down the drain with running water. Consumer may discard empty container in trash, or recycle where facilities exist.

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.

