



MATERIAL SAFETY DATA SHEET

MSDS: CT#FH/H/2006/LHLA-6LFQ49
 CT#FH/H/2005/LHLA-68JMY3
 CT#FH/H/2004/SDSM-65HMNU
 CT#FH/H/2004/SDSM-63LP6X
 CT#FH/H/2004/LHLA-5WNSXU

Issue Date: 03/24/06

SECTION I - CHEMICAL PRODUCT		
Identity: Liquid Laundry Detergent		
Brands: TIDE		(All variations)
Hazard Rating: 1	Health: 1	4=EXTREME
	Flammability: 1	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
		0= NOT SIGNIFICANT
Emergency Telephone Number: 24hr P&G Operator - 1-800-879-8433 or call Local Poison Control Center		

SECTION II - 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%	NA
Sodium borate	Borax	1330-43-4	ACGIH TWA: 5mg/m ³	1 – 5%	NA
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 – 1.5%	NA

SECTION III - 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 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

Flash Point (Method Used): —150°F PM CC **Explosive Limits:** *LEL:* N/A *UEL:* N/A

Extinguishing Media: CO₂, water

Special Fire Fighting Procedures: None.

Unusual Fire Hazards: None. This product has a flash point above 150°F. It is an aqueous solution containing ethyl alcohol and it does not sustain combustion.

Stability *Unstable:* *Conditions to Avoid:* None
 Stable: X

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition/By Products: None known

Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None
 Will Not Occur: X

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 VII - HANDLING AND STORAGE

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

Other Precautions: None

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

This mixture is considered to be a moderate irritant to eyes and a slight irritant to skin. Repeated inhalation of aerosols may result in sensitization (skin prick test positive) to one or more enzyme proteins. For sensitized persons, subsequent inhalation of aerosols may result in transient "hay-fever-like" symptoms (watery eyes and/or nose, scratchy throat) and/or transient "asthma-like symptoms" [chest tightness and difficulty in breathing caused by bronchoconstriction (narrowing of the airways)].

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual ingredients in this specific formulation and for related consumer household cleaning product formulations, it is expected that this product 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. 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.

SECTION XIV - TRANSPORT INFORMATION

The finished product is non-hazardous under DOT.

