



MATERIAL SAFETY DATA SHEET

MSDS: RQ0907673

Issue Date: 2/17/2010

SECTION I - PRODUCT IDENTIFICATION

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

This MSDS applies to the following Liquid 2X Tide Ultra Detergent Brands:

Tide Original, Tide Free, Tide Mountain Spring, Tide Clean Breeze, Tide w/Bleach Alt. Original Scent, Tide w/Bleach Alt. Mountain Spring, Tide Coldwater Fresh Scent, Tide Coldwater Mountain Spring, Tide Coldwater Free, Tide w/Febreze Freshness Sport Active Fresh, Tide w/Febreze Freshness Seaside Fresh, Tide w/Febreze Freshness Meadows & Rain, Tide w/Febreze Freshness Spring & Renewal, Tide with the Action of Dawn Original Scent, Tide with the Action of Dawn Whitewater Clean, Tide with Bleach Alternative Advanced Power Original Scent.

Tide Reg. HE, Tide Free HE, Tide Clean Breeze HE, Tide w/Bleach Alt. HE, Tide w/Bleach Alt. Advanced Power HE, Tide Coldwater Fresh Scent HE, Tide Coldwater Free HE, Tide with A Touch of Downy April Fresh HE, Tide w/Febreze Freshness Spring & Renewal HE, Tide Total Care 7 Signs Renewing Rain HE, Tide Pure Essentials with Baking Soda White Lilac, Tide Pure Essentials with Citrus Extracts Lemon Verbena,

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. Tide w/Downy: Biodegradable surfactants (anionic, nonionic, and cationic) and enzymes. | | | | |
| Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. | | | | |
| Chemical Name | Common Name | CAS No. | Composition Range | LD50 |
| Ethyl alcohol | Ethanol | 64-17-5 | 1 - 5% | 7.06 g/kg (oral, rat) |
| 2-Aminoethanol | Ethanolamine | 141-43-5 | 0.5 – 5% | 1.7g/kg (oral, rat) |
| Alcohol Ethoxysulfate, sodium salt | Anionic surfactant | 68585-34-2 | 7 – 13% | >2g/kg (oral, rat) |
| Alcohol Sulfates, sodium salts | Anionic surfactants | 68585-47-7 | 5-10% | >2000 mg/kg (oral, rat) |
| Benzene sulfonic acid, sodium salt | Anionic surfactant | 68081-81-2 | 3-7% | 438 mg/kg (oral, rat) 1330 mg/kg (oral, mouse) |
| Alcohol ethoxylate | Nonionic surfactant | 68551-12-2 | 1-5% | >200-2000 mg/kg (oral, rat) |

| SECTION IV - FIRST AID INFORMATION | |
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| 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 | |
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| Flammable Properties: These products have a Flash Point of $\geq 150^{\circ}$ F - $>200^{\circ}$ 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 X - STABILITY AND REACTIVITY

Chemical Stability: Stable.
Conditions to Avoid: None known.
Materials to Avoid: None known.
Hazardous Decomposition Products: None known.
Possibility of Hazardous Reactions: None known.

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.

