



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

HMIS®
Health 1
Flammability 0
Reactivity 0

MATERIAL SAFETY DATA SHEET

Issue Date: 2/99

SECTION I

Emergency Telephone Number: Procter & Gamble Operator 1-513-983-1100
Identity: **TIDE with Bleach Powder Laundry Detergent**
Ingredients/Chemical Name: Cleaning agents (anionic and nonionic surfactants), enzymes, hydrogen peroxide and perfume.
Other: N.A.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

Under normal consumer use, this product would not constitute a hazardous product under OSHA Hazard Communication. With increased exposure (compared with consumer use) this mixture, when tested as a whole, is considered an inhalation hazard (enzymes) and an eye irritant within the meaning of the OSHA Hazard Communication Standard.

DOT Classification: Not regulated

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (°F): N.A.	Specific Gravity (H₂O = 1): ~0.639g/cc (bulk density)
Vapor Pressure (mm Hg): N.A.	Percent Volatile by Volume (%): N.A.
Vapor Density (Air=1): N.A.	Evaporation Rate (nBu0Ac=1): N.A.
Solubility in Water: Appreciable	Appearance and Odor: White granular powder. Product is perfumed.

pH (1% solution): ~11 **Reserve Alkalinity** ~5.47

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): N.A.	Explosive Limits: LEL: N.A. UEL: N.A.
Extinguishing Media: Use CO ₂ , water or dry chemical	
Special Fire Fighting Procedures: None Known	
Unusual Fire Hazards: None Known	
Stability Unstable: Stable: X	Conditions to Avoid: None Known
Incompatibility (Materials to avoid): None Known	
Hazardous Decomposition/By Products: None Known	
Hazardous May Occur:	Conditions to Avoid: None Known
Polymerization Will Not Occur: X	

TIDE with Bleach Powder Laundry Detergent Material Safety Data Sheet (continued)

SECTION V - HEALTH AND SAFETY DATA

Route(s) of Entry: Eye contact, skin contact, oral ingestion, inhalation.
Health Hazards (Acute and Chronic): *Eye:* May cause mild transient irritation. *Inhalation:* Heavy or prolonged exposure to dust may cause transient respiratory tract irritation. *Ingestion:* May cause transient gastrointestinal irritation.
Signs and Symptoms of Exposure: *Eye Contact:* May cause stinging, tearing, itching, swelling and/or redness. *Inhalation:* May cause coughing, sore throat, wheezing or transitory shortness of breath. *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. *Inhalation:* Leave dusty area. *Ingestion:* Drink 1 or 2 glasses of water. If symptoms persist or recur, seek medical attention. *Skin irritation:* Discontinue use and apply a cold compress to relieve irritation.
Other: None Known

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be Taken in Handling and Storing: No unusual precautions necessary. Keep product dry to maintain free-flowing granules.
Other Precautions: None
Steps to be Taken in Case Material is Released or Spilled: Flush small quantities with water down acceptable sewer (contains biodegradable surfactants) or wipe up small spills with a damp cloth. Sorbents may be used. Sweeping is not recommended as dust may become airborne (see "Inhalation" health effects).
Waste Disposal Method: Disposal is to be performed in compliance with all regulations. Small or household quantities may be disposed of in refuse or in a sewer. Larger quantities of contaminated or waste material may be disposed of in municipal landfill where allowed by law.

SECTION VII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): None required for normal use.
Ventilation *Local Exhaust:* None required with normal use. *Special:* None
Mechanical (General): Normal/general dilution *Other:* None
ventilation is acceptable
Eye Protection: None required with normal usage. With dusty conditions or if a splash is likely, chemical goggles may be needed. **Special Gloves:** None required with normal use. Protective gloves (rubber, neoprene) should be used for prolonged direct contact.
Other Protective Equipment: None required

*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.