



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: **INSTITUTIONAL FORMULA TIDE Floor & All-Purpose Cleaner** (non-phosphate)  
Ingredients/Chemical Name: Anionic surfactants, water softeners, (sodium carbonate), processing aids (sodium sulfate), washer protection agents (sodium silicates), fabric whiteners, perfume, and agents to prevent deposition.  
Other: N.A.

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910. 1200.

NOTE: This product is not "hazardous" within the meaning of the OSHA Hazard Communication Standard.

**DOT Classification:** Not regulated

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling point:</b> N.A.	<b>Specific Gravity (H<sub>2</sub>O=1):</b> 0.29/cc (bulk density)
<b>Vapor Pressure (mm Hg):</b> N.A.	<b>Percent Volatile by Volume (%):</b> N.A.
<b>Vapor Density (Air=1):</b> N.A.	<b>Evaporation Rate (nBuOAc=1):</b> N.A.
<b>Solubility in Water:</b> Appreciable	<b>Appearance and Odor:</b> White granule with bland odor.
<b>pH (1% solution):</b> <11.3	

### SECTION IV - FLAMMABILITY AND REACTIVITY

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

INSTITUTIONAL FORMULA TIDE (non-phosphate) Material Safety Data Sheet (continued)

**SECTION V - HEALTH AND SAFETY DATA**

**Route(s) of Entry:** Skin contact, eye contact, oral, inhalation.

**Health Hazards (Acute and Chronic):** Inhalation: Heavy or prolonged exposure to dust may cause transient respiratory tract irritation. Eye: May cause mild transient irritation. Ingestion: May cause transient gastrointestinal irritation.

**Signs and Symptoms of Exposure:** Inhalation: Exposure to dust may cause coughing, sore throat, wheezing or transitory shortness of breath. Eye contact: May cause stinging, tearing, itching, swelling, and/or redness. 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:** N.A.

**SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Precautions to be Taken in Handling and Storing:** No unusual precautions necessary. Avoid contact of cartons with moisture to avoid dispensing problems.

**Other precautions:** None

**Steps to Be Taken in Case Material is Released or Spilled:** Collect and place a suitable container and dispose as dry scrap, or flush small quantities with water down acceptable sewer (contains biodegradable surfactants). Prevent spills from reaching a waterway. Prevent heavy exposure to dust with NIOSH approved dust mask.

**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 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 with 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.

**Protective Gloves:** None required with normal use. Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

**Other Protective Equipment:** None necessary under normal use.

\*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.