



34953

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: 10/00

| SECTION I  |
|--|
| Emergency Telephone Number: 1-800-332-7787 or Local Poison Control Center<br>Identity: <b>CASCADE Dishwasher Detergent (Professional Line)</b><br>Ingredients/Chemical Name: Water softening, (complex sodium phosphates and sodium carbonate), cleaning and water spot prevention agents (nonionic surfactant and chlorine bleach), dishwasher and china protection agent (sodium silicate) processing aid (sodium sulfate), suds control agent, colorant and perfume.<br>Other: N.A. |

| SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION  |
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| Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.<br><br>This mixture, when tested as a whole, is considered an eye irritant within the meaning of the OSHA Hazard Communication Standard.<br><b>DOT Classification:</b> Not regulated |

| SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS  |  |   |                              |                                      |                             |                                   |                                  |  |                         |  |
|--|--|---|------------------------------|--------------------------------------|-----------------------------|-----------------------------------|----------------------------------|--|-------------------------|--|
| <table border="0"> <tr> <td>Boiling Point (°F): N.A.</td> <td>Specific Gravity (H<sub>2</sub>O = 1): .92g/cc (bulk density)</td> </tr> <tr> <td>Vapor Pressure (mm Hg): N.A.</td> <td>Percent Volatile by Volume (%): N.A.</td> </tr> <tr> <td>Vapor Density (Air=1): N.A.</td> <td>Evaporation Rate (nBu0Ac=1): N.A.</td> </tr> <tr> <td>Solubility in Water: Appreciable</td> <td>Appearance and Odor: Light blue or white granular agglomerate with perfume</td> </tr> <tr> <td>pH (1% solution): 10.6.</td> <td></td> </tr> </table> | Boiling Point (°F): N.A.   | Specific Gravity (H <sub>2</sub> O = 1): .92g/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: Light blue or white granular agglomerate with perfume | pH (1% solution): 10.6. |  |
| Boiling Point (°F): N.A.   | Specific Gravity (H <sub>2</sub> O = 1): .92g/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: Light blue or white granular agglomerate with perfume |   |                              |                                      |                             |                                   |                                  |  |                         |  |
| pH (1% solution): 10.6.  |  |   |                              |                                      |                             |                                   |                                  |  |                         |  |

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

CASCADE Dishwasher Detergent Material Safety Data Sheet (continued)

**SECTION V - HEALTH AND SAFETY DATA**

**Route(s) of Entry:** Ingestion, eye contact, inhalation, skin contact.  
**Health Hazards (Acute and Chronic):** Ingestion may cause moderate transient gastrointestinal irritation. Heavy or prolonged exposure to breathing dust may cause transient respiratory tract irritation. Prolonged skin contact with undiluted product may result in irritation.  
**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. Inhalation may cause coughing, sore throat, wheezing or transitory shortness of breath. Prolonged skin contact may result in redness, itching and irritation.  
**Medical Conditions Generally Aggravated by Exposure:** Pre-existing dermatitis conditions may be aggravated by prolonged contact with the product.  
**Emergency and First Aid Procedures:** *Ingestion:* Drink a glassful of water or milk. If symptoms persist or recur seek medical attention. *Eye Contact:* Flush with water for 15 minutes. *Inhalation:* Leave dusty area. *Skin Irritation:* Flush area with water and apply cold compresses.

**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 required  
**Steps to be Taken in Case Material is Released or Spilled:** Sweep up and dispose as dry scrap, or flush small quantities with water down acceptable sewer. (Contains biodegradable surfactants.) Prevent spills from reaching waterways. 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 sewer. Larger quantities may be disposed of in 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):* Acceptable                                      *Other:* None  
**Eye Protection:** None required with normal usage. In dusty areas or if a splash is likely goggles may be needed.  
**Protective Gloves:** None required with normal use. Protective gloves should be worn if prolonged direct contact is anticipated  
**Other Protective Equipment:** None required with 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.