



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: **Professional Line CASCADE Dishwasher Detergent**

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.

Other: N.A.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

This mixture, when tested as a whole, is considered 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.

Vapor Pressure (mm Hg): N.A.

Vapor Density (Air=1): N.A.

Solubility in Water: Appreciable

pH (1% solution): 10.6.

Specific Gravity (H₂O = 1): .92g/cc (bulk density)

Percent Volatile by Volume (%): N.A.

Evaporation Rate (nBu0Ac=1): N.A.

Appearance and Odor: Light blue or white granular agglomerate with perfume

SECTION IV - FLAMMABILITY AND REACTIVITY

Flash Point (Method Used): N.A.

Extinguishing Media: Use CO₂, water or dry chemical

Special Fire Fighting Procedures: None Known

Unusual Fire Hazards: None Known

Stability
Unstable:
Stable: X

Explosive Limits: *LEL:* N.A. *UEL:* N.A.

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

PROFESSIONAL LINE CASCADE 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.