



Procter & Gamble
Fabric & Home Care Division
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MATERIAL SAFETY DATA SHEET

MSDS #: FH/A/2002/JMJJ-5EHNK3

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SECTION I - PRODUCT IDENTIFICATION

Identity: Automatic Dishwashing Detergent

Brands: CASCADE COMPLETE GEL (ALL VARIANTS)

Hazard Rating:

Health:

2

4= EXTREME

Flammability:

0

3= HIGH

Reactivity:

1

2= MODERATE

1= SLIGHT

Emergency Telephone Number: 1-800-765-5516 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Ingredients include phosphate salts and enzymes.Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200., and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50 and/or LC50</u>
Potassium Hydroxide	Caustic Potash	1310-58-3	ACGIH TLV: 2 mg/m ³	1-5%	1.2 g/kg (rats, oral)
Boric Acid	Boric Acid	10043-35-3	ACGIH TLV: 10 mg/m ³	1-5%	5.1 g/kg (rats, oral)
Proteolytic Enzyme	Proteolytic Enzymes	9014-01-1	ACGIH TLV: 0.00006 mg/m ³	≤0.1%	> 5 g/kg (rats, oral)
Amylase	Amylase Enzymes	9000-90-2	N/K	<0.1%	> 5 g/kg (rats, oral)

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Prior to exposure, cover any exposed skin and eyes. Peel off and wash any clothing that becomes wet with the product.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

Steps To Be Taken in Case Material is Released or Spilled:

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: None

Other Precautions: None

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

This section only applies to the product when used in an industrial setting.

Respiratory Protection (Specify Type): None required with normal use.

Ventilation: *Local Exhaust:* None required with normal use.

Special: None.

Mechanical (General): General dilution ventilation is acceptable.

Other: None.

Eye Protection: For splash protection use chemical goggles. Eye wash fountain is desirable.

Protective Gloves: Protective gloves (rubber, neoprene) should be used for any direct contact.

Other Protective Equipment: None.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): N.A.

Specific Gravity (H₂O=1): 1.30 (g/cc)

Vapor Pressure (mm Hg): N.A.

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

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

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

Odor Threshold: N.A.

Freezing Point: N.A.

Coefficient of Water/Oil Distribution: N.A.

pH: 8.6 (1% solution)

Viscosity: 15,000 cPs (at 1s⁻¹)

Reserve: N.A.

Scooped Density: N.A.

Solubility in Water: Miscible in water.

Appearance and Odor: Colored gel with speckles.

Physical State: Liquid/ gel

SECTION X - STABILITY AND REACTIVITY**Possible Hazardous Reactions/Conditions:** None**Conditions to Avoid:** None**Materials to Avoid:** Acids**Hazardous Decomposition Products:** None**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION****SECTION XII - ECOLOGICAL INFORMATION****SECTION XIII - DISPOSAL CONSIDERATIONS****Waste Disposal Method:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE PROVINCIAL AND LOCAL REGULATIONS.**SECTION XIV - TRANSPORT INFORMATION**

The finished product is non-hazardous under DOT.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All ingredients are listed on the TSCA inventory.

All ingredients are CEPA approved for import to Canada by Procter & Gamble.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

**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.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.