MATERIAL SAFETY DATA SHEET

MSDS #: FH/A/2003/ACAP-5QCHVJ (S)  Issue Date: July 6, 2004
Supersedes: FH/A/2003/ACAP-5L3KPB  Issue Date: April 2, 2003

SECTION I - PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Identity</th>
<th>Automatic Dishwashing Rinse Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brands</td>
<td>CASCADE CRYSTAL CLEAR RINSE AID</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazard Rating</th>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

4= EXTREME  3= HIGH  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: Water spot prevention agents, processing aids, perfume and dye.

<table>
<thead>
<tr>
<th>Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200., and/or WHMIS under the HPA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
</tr>
<tr>
<td>---------------</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
</tr>
<tr>
<td>Zinc Chloride</td>
</tr>
</tbody>
</table>
SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause vomiting if swallowed.
Eye Contact: Contact may cause mild, transient irritation.
Skin: Prolonged/repeated contact may cause irritation.
Inhalation: Can cause mild respiratory irritation.

Signs and Symptoms of Exposure:

Ingestion: May cause vomiting if swallowed.
Eye Contact: Contact may cause moderate, transient irritation, including redness.
Skin: Contact may cause moderate, transient irritation, including dryness.
Inhalation: Repeated prolonged exposure may cause mild respiratory irritation.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

Ingestion: Give milk or water.
Eye Contact: Flush eyes thoroughly with water.
Skin: Rinse exposed area with water.
Inhalation: Get medical attention if irritation persists.

Other: Consumer product packages have a caution statement: "KEEP OUT OF REACH OF CHILDREN. In case of skin or eye contact, rinse with water. If swallowed, drink a glassful of water to dilute."

SECTION V - FIRE FIGHTING INFORMATION

Flash Point: 125 °F
Method Used: PM Closed Cup
Explosive Limits: LEL: N/A
UEL: N/A

Extinguishing Media: CO2, water, or dry chemical may be used.

Special Fire Fighting Procedures: None

Unusual Fire Hazards: None Known

Stability

Unstable: ☐
Stable: ☑

Conditions to Avoid: None known.

Incompatibility (Materials to Avoid): None

Hazardous Decomposition/By Products: None

Hazardous Polymerization: May Occur: ☐
Will Not Occur: ☑
SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

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: Any undiluted waste from this product needs to be handled and treated as a RCRA Ignitable Hazardous Waste in accordance with all compliance guidelines. Collect and place in suitable container and incinerate scrap, try to prevent product from reaching sewer. Solutions created in the course of use, may be able to be flushed down sewer, but first check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Store at room temperature.

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 consumer use. May be required for handling large quantities.

Special: None

Mechanical (General): General dilution ventilation is acceptable.

Other: None

Eye Protection: None required with normal use. 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 required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°F): N/A

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Odor Threshold: N/A

Coefficient of Water/Oil Distribution: N/A

Viscosity: 35-85 cP@25C(Brookfield)

Scooped Density: N/A

Appearance and Odor: Blue liquid with perfume

Specific Gravity (H₂O=1): 1.03

Percent Volatile by Volume (%): N/A

Evaporation Rate (nBuOAc=1): N/A

Freezing Point: 0 °C

pH (1% solution): 3.5

Reserve Acidity: 0.8 (to pH 4.0)

Solubility in Water: Miscible in water

Physical State: Liquid

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None

Other Recommendations: None
**SECTION XI - TOXICOLOGICAL INFORMATION**

<table>
<thead>
<tr>
<th>Category</th>
<th>Data</th>
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</thead>
<tbody>
<tr>
<td>Oral Toxicity</td>
<td>LD50 (rats) &gt; 5 ml/kg.</td>
</tr>
<tr>
<td>Dermal Irritation</td>
<td>Not irritating to skin.</td>
</tr>
<tr>
<td>Ocular Irritation</td>
<td>Not an eye irritant.</td>
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</tbody>
</table>

**SECTION XII - ECOLOGICAL INFORMATION**

Prevent large spills from reaching waterways.

**SECTION XIII - DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Disposal is to be performed in compliance with Federal, State and Local regulations.

- **Households:** Product is safe for disposal down the drain after use.
- **Industrial Setting:** Any undiluted waste from this product needs to be handled and treated as a RCRA Ignitable Hazardous Waste in accordance with all compliance guidelines. Collect and place in suitable container and incinerate scrap, try to prevent product from reaching sewer. Solutions created in the course of use, may be able to be flushed down sewer, but first check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

**SECTION XIV - TRANSPORT INFORMATION**

- **US Shipping Classification:** Not regulated; aqueous solutions of ethanol containing <24% ethanol are not subject to regulation under these rules.
- **Canadian Shipping Classification:** This product meets the requirements of the TDG Regulations TDG 1.33 Class 3, Flammable Liquids: General Exemptions and TDG 2.18(2) (a) and is not subject to the Dangerous Goods Regulations.

**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

No components subject to California Prop. 65 All components are listed on US 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 Canadian Controlled Products Regulation (CPR) and this MSDS contains all information required by the Controlled Products Regulation.

**SECTION XVI - OTHER INFORMATION**

**N/A. - Not Applicable**

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.