1. IDENTIFICATION

Product Name  Cascade Powder Extra Action Dishwasher Detergent - Fresh Scent
Product ID:  99522844_RET_NG
Product Type:  Finished Product - Consumer (Retail) Use Only
Recommended Use:  Dish Care
Restrictions on Use:  Use only as directed on label.
Manufacturer:  PROCTER & GAMBLE - Fabric and Home Care Division.  Ivorydale Technical Centre.  5289 Spring Grove Avenue,  Cincinnati, Ohio 45217-1087  USA
E-mail Address:  pgsds.im@pg.com
Emergency Telephone:  Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887
Mexico toll free in country: 800-681-9531

2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Damage / Irritation</td>
<td>DANGER</td>
</tr>
<tr>
<td>Signal Word</td>
<td></td>
</tr>
<tr>
<td>Hazard Statements</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>Hazard pictograms</td>
<td></td>
</tr>
</tbody>
</table>
| Precautionary Statements - Prevention | Do not breathe mist
                                    | Wash hands thoroughly after handling
                                    | Wear eye/face protection |
3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Synonyms</th>
<th>Trade Secret</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>-</td>
<td>No</td>
<td>497-19-8</td>
<td>30 - 35</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>-</td>
<td>No</td>
<td>1344-09-8</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Carbonic acid disodium salt, compd. with hydrogen peroxide</td>
<td>-</td>
<td>No</td>
<td>15630-89-4</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact    Rinse with plenty of water. Call a physician immediately.
Skin contact   Rinse with plenty of water. Get medical attention if irritation develops and persists.
Ingestion      Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.
Inhalation     IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

Most important symptoms/effects, acute and delayed

None under normal use conditions.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media     Dry chemical, CO₂, alcohol-resistant foam or water spray.
Unsuitable Extinguishing Media   None.
Special hazard
None known.

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical
None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment. Do not get in eyes, on skin, or on clothing.

Advice for emergency responders
Use personal protective equipment as required.

Methods and materials for containment and cleaning up

Methods for containment
Prevent dust cloud. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up
Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible products
None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
No exposure limits noted for ingredient(s).

Exposure controls

Engineering Measures
Distribution, Workplace and Household Settings:
Ensure adequate ventilation

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction

Personal Protective Equipment

Eye Protection
Distribution, Workplace and Household Settings:
Requires Eye Protection
Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Safety glasses with side-shields
If splashes are likely to occur, wear:
Tightly fitting safety goggles

Hand Protection
Distribution, Workplace and Household Settings:
No special protective equipment required

Skin and Body Protection
Distribution, Workplace and Household Settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Protective gloves

Respiratory Protection
Distribution, Workplace and Household Settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
In case of insufficient ventilation wear suitable respiratory equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>solid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>white powder</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Scented</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH value</td>
<td>11.10</td>
<td>(as 1% solution)</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.19 g/cc</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Viscosity of Product</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>Products comply with US state and federal regulations for VOC content in consumer products.</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
None under normal use conditions.

Stability
Stable under normal conditions.
Hazardous polymerization does not occur.

Hazardous Reactions
None under normal processing.

Conditions to Avoid
None under normal processing.

Materials to avoid
None in particular.

Hazardous Decomposition Products
None under normal use.

### 11. TOXICOLOGICAL INFORMATION

#### Product Information

**Information on likely routes of exposure**

- **Inhalation**: No known effect.
- **Skin contact**: No known effect.
- **Ingestion**: No known effect.
- **Eye contact**: Risk of serious damage to eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Acute toxicity**: No known effect.
- **Skin corrosion/irritation**: No known effect.
- **Serious eye damage/eye irritation**: Risk of serious damage to eyes.
- **Skin sensitization**: No known effect.
- **Respiratory sensitization**: No known effect.
- **Germ cell mutagenicity**: No known effect.
- **Neurological Effects**: No known effect.
- **Reproductive toxicity**: No known effect.
- **Developmental toxicity**: No known effect.
- **Teratogenicity**: No known effect.
- **STOT - single exposure**: No known effect.
- **STOT - repeated exposure**: No known effect.
- **Aspiration hazard**: No known effect.
- **Carcinogenicity**: No known effect.

#### Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>2800 mg/kg bw (Guideline not indicated; rat)</td>
<td>&gt; 2000 mg/kg bw (EPA 16 CFR 1500.40; rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Silicic acid, sodium salt</td>
<td>1344-09-8</td>
<td>3400 mg/kg bw (Similar to OECD 401; standard acute method; rat)</td>
<td>&gt; 5000 mg/kg bw (Read across data on AgSil TM 25 Potassium silicate solution; rat)</td>
<td>&gt; 2.06 mg/L air (Read across data AgSil TM 25 Potassium silicate solution; EPA OPPTS 870.1300; standard acute method; rat)</td>
</tr>
<tr>
<td>Carbonic acid disodium salt, compd. with hydrogen peroxide</td>
<td>15630-89-4</td>
<td>893 mg/kg bw (U.S. EPA Office of Pesticides and Toxic Substances (1984) &quot;Acute Exposure Oral Toxicity&quot;; standard acute method; rat)</td>
<td>&gt; 2000 mg/kg bw (EPA Guideline; standard acute method; rat)</td>
<td>-</td>
</tr>
</tbody>
</table>

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

**Persistence and degradability**

No information available.
Bioaccumulative potential: No information available.
Mobility: No information available.
Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from Residues / Unused Products: Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes
- California Hazardous Waste Codes (non-household setting): 331

14. TRANSPORT INFORMATION

DOT: Not regulated
IMDG: Not regulated
IATA: Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

California Proposition 65
This product is not subject to warning labeling under California Proposition 65.

U.S. State Regulations (RTK)
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Massachusetts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid sodium salt (1:2)</td>
<td>7757-82-6</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid sodium salt (1:2)</td>
<td>7757-82-6</td>
<td>X</td>
</tr>
</tbody>
</table>

**International Inventories**

**United States**
All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

**Canada**
This product is in compliance with CEPA for import by P&G.

**Legend**
- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- CEPA - Canadian Environmental Protection Act

**16. OTHER INFORMATION**

**Issuing Date:** 27-Mar-2015  
**Revision Date:** 27-Mar-2015

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS