1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FINISH® - POWERBALL® Tab</th>
</tr>
</thead>
<tbody>
<tr>
<td>UPC CODES</td>
<td>Refer to section 16</td>
</tr>
<tr>
<td>CAS #</td>
<td>Mixture</td>
</tr>
<tr>
<td>Product use</td>
<td>Dishwasher detergent</td>
</tr>
<tr>
<td>Distributed by</td>
<td>Reckitt Benckiser</td>
</tr>
<tr>
<td></td>
<td>Morris Corporate Center IV</td>
</tr>
<tr>
<td></td>
<td>399 Interpace Parkway</td>
</tr>
<tr>
<td></td>
<td>P.O. Box 225</td>
</tr>
<tr>
<td></td>
<td>Parsippany, NJ 07054-0225</td>
</tr>
<tr>
<td>In Case of Emergency:</td>
<td>1-800-228-4722</td>
</tr>
<tr>
<td>Transportation Emergencies:</td>
<td>24 Hour Number:</td>
</tr>
<tr>
<td></td>
<td>North America: CHEMTREC: 1-800-424-9300</td>
</tr>
<tr>
<td></td>
<td>Outside North America: 1-703-527-3887</td>
</tr>
</tbody>
</table>

2. Hazards Identification

Emergency overview
CAUTION
HARMFUL IF SWALLOWED. EYE IRRITANT.
DO NOT ingest. DO NOT get in eyes.

NOTICE: PRODUCT MAY POSE A CHOKING HAZARD TO CHILDREN UNDER 3 YEARS OF AGE.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects
Routes of exposure
Eye, Skin contact, Inhalation, Ingestion.

Eyes
Irritating to eyes.

Skin
None expected during normal conditions of use.
Not expected to be a skin sensitizer.

Inhalation
None expected during normal conditions of use.

Ingestion
Harmful if swallowed.

Target organs
Skin. Eyes.

Chronic effects
The finished product is not expected to have chronic health effects.

Signs and symptoms
Symptoms may include redness, edema, drying, defatting and cracking of the skin.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>15 - 30</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>9014-01-1</td>
<td>&lt; 0.25</td>
</tr>
<tr>
<td>A-Amylase (EC# 3.2.1.1)</td>
<td>9000-90-2</td>
<td>&lt; 0.01</td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

**Eye contact**
If in eyes, IMMEDIATELY rinse eyes with water. Remove any contact lenses and continue rinsing eyes for at least 15 minutes. If irritation persists, get medical attention.

**Skin contact**
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

**Inhalation**
Move to fresh air.

**Ingestion**
If swallowed, rinse mouth and drink a glass of water. Call a physician or Poison Control Centre.

Notes to physician
Treat patient symptomatically.

General advice
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

5. Fire Fighting Measures

Flammable properties
Not flammable by OSHA criteria.

Extinguishing media

- **Suitable extinguishing media**
  Treat for surrounding material.

- **Unsuitable extinguishing media**
  Not available

Protection of firefighters

- **Specific hazards arising from the chemical**
  Not available

- **Protective equipment for firefighters**
  Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products
May include and are not limited to: Oxides of carbon. Oxides of sulphur.

Explosion data

- **Sensitivity to mechanical impact**
  Not available

- **Sensitivity to static discharge**
  Not available

6. Accidental Release Measures

Personal precautions
Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment
Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Before attempting clean up, refer to hazard data given above. Use broom or dry vacuum to collect material for proper disposal without raising dust. Rinse area with water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

7. Handling and Storage

Handling
Avoid contact with eyes.
Do not ingest.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink.

Storage
Keep out of reach of children.
Store in a closed container away from incompatible materials.
Keep container tightly closed in a dry and well-ventilated place.
Keep in properly labelled containers.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Amylase (EC# 3.2.1.1)</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td>Ceiling: 0.0001 mg/m³</td>
</tr>
<tr>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
</tbody>
</table>

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye / face protection
Wear safety glasses with side shields.
Emergency responders should wear full eye and face protection.

Hand protection
Rubber gloves. Confirm with a reputable supplier first.
Emergency responders should wear impermeable gloves.

Skin and body protection
Usual safety precautions while handling the product will provide adequate protection against injury or irritation.
Follow label directions carefully.
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

Respiratory protection
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

General hygiene considerations
Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Tablet</td>
</tr>
<tr>
<td>Color</td>
<td>White / Blue / Red</td>
</tr>
<tr>
<td>Form</td>
<td>Solid</td>
</tr>
<tr>
<td>Odor</td>
<td>Perfume</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>pH</td>
<td>9.8 ± 0.2 (10%)</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Product does not flash</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
</tbody>
</table>
### Flammability limits in air, lower, % by volume
Not applicable

### Flammability limits in air, upper, % by volume
Not applicable

### Vapor pressure
Not available

### Vapor density
Not available

### Specific gravity
Not available

### Octanol/water coefficient
Not available

### Auto-ignition temperature
Not available

### Bulk density
20.5 g/ tab

## 10. Stability and Reactivity

### Chemical stability
Stable under recommended storage conditions.

### Conditions to avoid
- Do not mix with other chemicals.
- Do not mix with chlorine bleach.
- Extremes of temperature and direct sunlight.

### Incompatible materials
Oxidizers.

### Hazardous decomposition products
May include and are not limited to: Oxides of carbon. Oxides of sulphur.

### Possibility of hazardous reactions
Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Amylase (EC# 3.2.1.1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>400 mg/m3 guinea pig</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>Not available</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Component analysis - Oral LD50

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-Amylase (EC# 3.2.1.1)</td>
<td>7500 mg/kg rat</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg rat</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>2200 mg/kg mouse; 1034 mg/kg rat</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Effects of acute exposure

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye</strong></td>
<td>Irritating to eyes.</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>None expected during normal conditions of use.</td>
</tr>
<tr>
<td></td>
<td>Not expected to be a skin sensitizer.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>None expected during normal conditions of use.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td><strong>Sensitization</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Chronic effects</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Carcinogenicity</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Mutagenicity</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Reproductive effects</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Teratogenicity</strong></td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td><strong>Synergistic Materials</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>
## 12. Ecological Information

### Ecotoxicity

#### Ecotoxicity - Freshwater Algae Data

<table>
<thead>
<tr>
<th>Compound</th>
<th>EC50/EC100</th>
<th>Concentration (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>120 Hr EC50 Nitzschia: 242 mg/L</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>240 Hr EC50 Chlorella emersonii: 70 mg/L</td>
</tr>
</tbody>
</table>

#### Ecotoxicity - Freshwater Fish Species Data

<table>
<thead>
<tr>
<th>Compound</th>
<th>LC50</th>
<th>Concentration (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>96 Hr LC50 Lepomis macrochirus: 300 mg/L [static]; 96 Hr LC50 Pimephales promelas: &lt;310-1220 mg/L [static]</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>96 Hr LC50 Pimephales promelas: 70.7 mg/L [static]</td>
</tr>
</tbody>
</table>

#### Ecotoxicity - Water Flea Data

<table>
<thead>
<tr>
<th>Compound</th>
<th>EC50</th>
<th>Concentration (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>48 Hr EC50 Daphnia magna: 265 mg/L</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>48 Hr EC50 Daphnia pulex: 4.9 mg/L</td>
</tr>
</tbody>
</table>

### Environmental effects

- Not available

### Aquatic toxicity

- Not available

### Persistence / degradability

- Not available

### Bioaccumulation / accumulation

- Not available

### Partition coefficient

- Not available

### Mobility in environmental media

- Not available

### Chemical fate information

- Not available

## 13. Disposal Considerations

### Waste codes

- Not available

### Disposal instructions

- Dispose in accordance with all applicable regulations.

### Waste from residues / unused products

- Not available

### Contaminated packaging

- Not available

## 14. Transport Information

### UN/ID N.o.

- Not applicable

### U.S. Department of Transportation (DOT): Classification

- Not regulated

#### Proper shipping name

- Not applicable

#### U.S. DOT Hazard Class

- Not applicable

#### Subsidiary Risk

- Not applicable

#### Packing group

- Not applicable

#### DOT RQ (lbs)

- Not applicable

#### ERG NO

- Not applicable

### Transportation of Dangerous Goods (TDG - Canada): Classification

- Not regulated

#### Proper shipping name

- Not applicable

#### Status

- Not applicable

#### Packing group

- Not applicable
IMDG (Marine Transport): Classification: Not regulated

Proper shipping name    Not applicable
Class                    Not applicable
Subsidiary Risk          Not applicable
Packing group            Not applicable
IMDG Page                Not applicable
Marine pollutant         Not applicable
EMS                      Not applicable
MFAG                     Not applicable
Maximum Quantity         Not applicable

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name    Not applicable
Class                    Not applicable
Subsidiary Risk          Not applicable
Packing group            Not applicable

15. Regulatory Information

US Federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. CERCLA/SARA Hazardous Substances - Not applicable.

Product Registration: Not registered

Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical  Yes

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance  No

Section 311 hazardous chemical  Yes

Clean Air Act (CAA)  Not available
Clean Water Act (CWA)  Not available

State regulations
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances
Subtilisin carlsburg  9014-01-1  Present
16. Other Information

Disclaimer
This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Further information
51700-79130 - 12 ct - FINISH® - POWERBALL® Tab - Fresh Scent - 0112934
51700-77050 - 20 ct - FINISH® - POWERBALL® Tab - Fresh Scent - 0112934
51700-81049 - 32 ct - FINISH® - POWERBALL® Tab - Fresh Scent - 0112934
51700-81050 - 60 ct - FINISH® - POWERBALL® Tab - Fresh Scent - 0112934
51700-77039 - 20 ct - FINISH® - POWERBALL® Tab - Orange Scent - 0227015
51700-81095 - 32 ct - FINISH® - POWERBALL® Tab - Orange Scent - 0227015

Issue date
15-Apr-2010

Effective date
15-Apr-2010

Prepared by
Reckitt Benckiser Regulatory Department  800-333-3899

Other information
For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.