1. Product and Company Identification

Product Name: FINISH® ALL-IN-1 GELPACS® - All Scents

UPC CODES: Refer to section 16

CAS #: Mixture

Product use: Dishwasher detergent

Distributed by Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225

In Case of Emergency: 1-800-228-4722
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

LEGEND
HMIS/NFPA

Health / 1
Flammability 0
Physical Hazard 0
Personal Protection B

2. Hazards Identification

Emergency overview
May cause eye and skin irritation.
Avoid contact with eyes and skin.
Contains polycarboxylates, enzymes.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure
Eye, Skin contact, Ingestion.

Eyes
None expected during normal conditions of use. May cause eye irritation upon direct contact with the 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
Health injuries are not known or expected under normal use.

Target organs
Eyes. Skin.

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

Signs and symptoms
None expected during normal conditions of use.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-15, ethoxylated propoxylated</td>
<td>68551-13-3</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Subtilisin carlsburg</td>
<td>9014-01-1</td>
<td>1 - 5</td>
</tr>
<tr>
<td>A-Amylase (EC# 3.2.1.1)</td>
<td>9000-90-2</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>
4. First Aid Measures

First aid procedures

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

Skin contact
If on skin, wash with plenty of soap and water. Get medical attention if irritation persists.

Inhalation
Move to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required.

Ingestion
If swallowed, call a Poison Control Centre or doctor immediately. DO NOT induce vomiting.

Notes to physician
Contains Polycarboxylates and enzymes.
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.

Explosion data
Sensitivity to mechanical impact
Not available

Sensitivity to static discharge
Not available

6. Accidental Release Measures

Personal precautions
Avoid contact with skin and eyes. Use personal protective equipment.

Methods for containment
Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up
Pick up and transfer to properly labelled containers.

7. Handling and Storage

Handling
Hands must be dry before handling. Do not unwrap or cut GELPAC®.

Avoid contact with eyes, skin and clothing. Do not ingest.

Storage
Keep out of reach of children.

Keep in properly labelled containers.
Keep containers tightly closed in a cool, well-ventilated place.
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limits 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>Alcohols, C12-15, ethoxylated propoxylated</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**
  - Tightly fitting safety goggles
  - Emergency responders should wear full eye and face protection.

- **Hand protection**
  - Follow standard industrial hygiene practices.
  - 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.
  - Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible. Follow label directions carefully.

- **Respiratory protection**
  - Not normally required if good ventilation is maintained.
  - 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**
Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

9. Physical and Chemical Properties

- **Appearance**
  - Liquid.
- **Color**
  - Blue
- **Form**
  - Liquid gel in a soluble capsule
- **Odor**
  - Perfume
- **Odor threshold**
  - Not available
- **Physical state**
  - Liquid
- **pH**
  - 8.6 ± 0.2 (10%)
- **Freezing point**
  - Not available
- **Pour point**
  - Not available
- **Boiling point**
  - Not available
- **Flash point**
  - > 212.00 °F (> 100 °C)
- **Evaporation rate**
  - Not available
- **Flammability limits in air, lower, % by volume**
  - Not available
- **Flammability limits in air, upper, % by volume**
  - Not available
- **Vapor pressure**
  - Not available
- **Vapor density**
  - Not available
- **Specific gravity**
  - 1.27
10. Stability and Reactivity

Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Do not use with other detergents. Do not mix with chlorine bleach. Protect from sunlight and do not expose to temperatures exceeding 50°C (120°F).

Incompatible materials
Caustics. Acids.

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

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>Alcohols, C12-15, ethoxylated propoxylated</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>Alcohols, C12-15, ethoxylated propoxylated</td>
<td>1200 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>Eye</td>
<td>None expected during normal conditions of use. May cause eye irritation upon direct contact with the eyes.</td>
</tr>
<tr>
<td>Skin</td>
<td>None expected during normal conditions of use. Not expected to be a skin sensitizer.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>None expected during normal conditions of use.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Chronic effects</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>The finished product is not expected to have chronic health effects.</td>
</tr>
<tr>
<td>Synergistic Materials</td>
<td>Not available</td>
</tr>
</tbody>
</table>

12. Ecological Information

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecotoxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Environmental effects</td>
<td>Not available</td>
</tr>
<tr>
<td>Aquatic toxicity</td>
<td>Not available</td>
</tr>
<tr>
<td>Persistence / degradability</td>
<td>Not available</td>
</tr>
<tr>
<td>Bioaccumulation / accumulation</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Mobility in environmental media</td>
<td>Not available</td>
</tr>
<tr>
<td>Chemical fate information</td>
<td>Not available</td>
</tr>
</tbody>
</table>

13. Disposal Considerations

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste codes</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Disposal instructions
Discard after single use.
Review federal, state/provincial, and local government requirements prior to disposal.
Discard with solid waste. 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
<table>
<thead>
<tr>
<th>IATA/ICAO (Air): Classification:</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Class</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Subsidiary Risk:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Maximum Quantity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

15. Regulatory Information

**US Federal regulations**
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Product Registration:** Not registered

**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200 hazardous chemical Yes

**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

**Inventory status**

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
### 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**

- 51700-79170 - 20 ct. - FINISH® ALL-IN-1 GELPACS® - 0149239 - Fresh Scent
- 51700-76491 - 20 ct. - FINISH® ALL-IN-1 GELPACS® - 0128220 - Orange Scent
- 51700-81052 - 32 ct. - FINISH® ALL-IN-1 GELPACS® - 0149239 - Fresh Scent
- 51700-81053 - 32 ct. - FINISH® ALL-IN-1 GELPACS® - 0128220 - Orange Scent
- 51700-81094 - 60 ct. - FINISH® ALL-IN-1 GELPACS® - 0128220 - Orange Scent

**Issue date**

06-Apr-2010

**Effective date**

01-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.