1. Product and Company Identification

Product Name: FINISH® Dishwasher Freshener
CAS #: Mixture
Product use: Freshener for dishwashing machines
Distributed by: Reckitt Benckiser
Morris Corporate Center IV
399 Interpace Parkway
P.O. Box 225
Parsippany, NJ 07054-0225

In Case of Emergency: 1-800-338-6167
Transportation Emergencies: 24 Hour Number:
North America: CHEMTREC: 1-800-424-9300
Outside North America: 1-703-527-3887

LEGEND
HMIS/NFPA

Health / 2
Flammability 2
Physical Hazard 0
Personal Protection B

2. Hazards Identification

Emergency overview
May cause eye and skin irritation. Wash hands immediately after use.
KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects
Routes of exposure
Eye, Skin contact, Inhalation, Ingestion.
May cause eye irritation upon direct contact with eyes.

Skin
None expected during normal conditions of use.
May cause skin irritation.
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
Skin contact

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.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status
This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects
Components of this product have been identified as having potential environmental concerns.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary fragrance</td>
<td>Proprietary</td>
<td>60 - 100</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures
Eye contact
If in eyes, IMMEDIATELY rinse eyes with plenty of water for several minutes. 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 develops.

Inhalation
Move to fresh air. If symptoms persist, call a physician.

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

Notes to physician
Treat patient symptomatically.

General advice
Keep away from sources of ignition. No smoking. 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.

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5. Fire Fighting Measures

Flammable properties
Combustible by OSHA criteria.

Extinguishing media

| Suitable extinguishing media | Alcohol foam. Dry chemical. Carbon dioxide. |
| 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 |

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6. Accidental Release Measures

Personal precautions
Ensure adequate ventilation. 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.

Environmental precautions
Do not discharge into lakes, streams, ponds or public waters.

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

Methods for cleaning up
Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

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7. Handling and Storage

Handling
Ensure adequate ventilation.
Use good industrial hygiene practices in handling this material.
When using do not eat or drink.
Avoid contact with eyes.
Avoid contact with skin and clothing.
Avoid breathing vapors or mists of this product.
When using, do not eat, drink or smoke.
Wash thoroughly after handling.
Handle with care, wear rubber gloves and eye protection.

Storage
Keep out of reach of children.
Keep away from heat and flame.
Keep at temperatures between 20 and 25°C (68-77°F).
8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary fragrance</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>
</tbody>
</table>

**Engineering controls**
General ventilation normally adequate.

**Personal protective equipment**

<table>
<thead>
<tr>
<th>Eye / face protection</th>
<th>tightly fitting safety goggles</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Emergency responders should wear full eye and face protection.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Rubber gloves. Confirm with a reputable supplier first.</td>
</tr>
<tr>
<td></td>
<td>Emergency responders should wear impermeable gloves.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>As required by employer code.</td>
</tr>
<tr>
<td></td>
<td>Usual safety precautions while handling the product will provide adequate protection against injury or irritation.</td>
</tr>
<tr>
<td></td>
<td>Follow label directions carefully.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
</tbody>
</table>

**General hygiene considerations**
Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light blue, dark blue</td>
</tr>
<tr>
<td>Form</td>
<td>Capsule</td>
</tr>
<tr>
<td>Odor</td>
<td>perfumed</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not available</td>
</tr>
<tr>
<td>Pour point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>172.40 °F (78 °C)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, upper, % by volume</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.1754 HPa @ 20°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity/Density [g/mL]</td>
<td>0.9 g/ml (20°C)</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>This product may react with strong oxidizing agents.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Hazardous polymerization does not occur.</td>
</tr>
<tr>
<td>Chemical stability</td>
<td>Stable under recommended storage conditions.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>Avoid high temperatures.</td>
</tr>
<tr>
<td></td>
<td>Do not mix with other chemicals.</td>
</tr>
<tr>
<td></td>
<td>Avoid exposure to strong sunlight for prolonged periods.</td>
</tr>
</tbody>
</table>
11. Toxicological Information

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

Component analysis - LC50
Ingredient(s) | LC50
--- | ---
Proprietary fragrance | 52 mg/l/4h rat

Component analysis - Oral LD50
Ingredient(s) | LD50
--- | ---
Proprietary fragrance | 6452 mg/kg rat

Effects of acute exposure

**Eye**
None expected during normal conditions of use.
May cause eye irritation upon direct contact with eyes.

**Skin**
None expected during normal conditions of use.
May cause skin irritation.
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.

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

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

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

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

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

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

Name of Toxicologically Synergistic Products
Not available

12. Ecological Information

Ecotoxicity
Not available

Persistence / degradability
Not available

Bioaccumulation / accumulation
Not available

Mobility in environmental media
Not available

Environmental effects
Not available

Aquatic toxicity
Not available

Partition coefficient
Not available

Chemical fate information
Not available

13. Disposal Considerations

Disposal instructions
Dispose in accordance with all applicable regulations.

Waste from residues / unused products
Not available

Contaminated packaging
Not available
### 14. Transport Information

<table>
<thead>
<tr>
<th>UN/ID N.o.</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. Department of Transportation (DOT): Classification:</strong> Not regulated</td>
<td></td>
</tr>
<tr>
<td>Proper shipping name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>U.S. DOT Hazard 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>DOT RQ (lbs)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>ERG NO</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

| **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 |
15. Regulatory Information

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

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

Product Registration:  Product is compliant with CPSC regulatory guidelines; a specific registration is not required for this product.

CERCLA (Superfund) reportable quantity
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

Section 302 extremely hazardous substance
No

Section 311 hazardous chemical
No

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.

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
FINISH® Dishwasher Freshener - 0.17 fl. oz. (5.0mL) - 0164299 v3.0

Issue date
23-Mar-2012

Effective date
15-Mar-2012

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.