1. Product and Company Identification

Product Name: FINISH® GLASS MAGIC® - Dishwasher Performance Booster
UPC CODES: Refer to Section 16
CAS #: Mixture
Product use: Rinse additive
Manufacturer: 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

2. Hazards Identification

Emergency overview
DANGER
EYE AND SKIN IRRITANT.
HARMFUL IF SWALLOWED.
CONTACT WITH EYES OR MOUTH MAY CAUSE BURNS. Avoid contact with eyes, mouth and mucous membranes.
KEEP OUT OF REACH OF CHILDREN.

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

Eyes
Causes irritation.

Skin
May cause irritation.

Inhalation
None expected during normal conditions of use. May cause respiratory tract irritation.

Ingestion
Harmful if swallowed.

Target organs
Eyes. Respiratory system. Skin.

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

Signs and symptoms
May cause irritation.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium tripolyphosphate</td>
<td>7758-29-4</td>
<td>60 - 100</td>
</tr>
<tr>
<td>Sodium dichloroisocyanurate dihydrate</td>
<td>51580-86-0</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate</td>
<td>7722-88-5</td>
<td>2.5 - 10</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
If on skin, wash with soap and water. Get medical attention, if irritation persists.

Inhalation
Move to fresh air.

Ingestion
If swallowed, rinse mouth and drink a glass of water. Call a Physician or Poison Control Center.

Notes to physician
Contains sodium metasilicate, sodium tripolyphosphate and active organic chloride.

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 sulphur. Oxides of phosphorus. Oxides of carbon.

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, skin and clothing. Use good industrial hygiene practices in handling this material. Wash hands after handling and before eating.

Storage
Store in original container in a cool, secure area inaccessible to children and pets. Keep out of reach of children.
## 8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium dichloroisocyanurate dihydrate</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Sodium tripolyphosphate</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></td>
</tr>
<tr>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate</td>
<td><strong>ACGIH-TLV</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td><strong>OSHA-PEL</strong></td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³</td>
</tr>
</tbody>
</table>

### Engineering controls
- General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection
- Not normally required under normal use conditions.
- If splashing is likely to occur or for occupational exposures, wear appropriate eye protection.
- Emergency responders should wear full eye and face protection.

#### Hand protection
- Avoid contact with the skin.
- For sensitive skin or prolonged use, wear rubber gloves.
- Emergency responders should wear impermeable gloves.

#### Skin and body protection
- As required by employer code.

#### 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 airborne particles (dust) 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. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Free-flowing Granular Powder</td>
</tr>
<tr>
<td>Color</td>
<td>White.</td>
</tr>
<tr>
<td>Form</td>
<td>Solid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</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>11.0 - 11.5 (10% solution) (Alkaline)</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>&gt; 93 °C (&gt; 199.40 °F)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability limits in air, lower, % by volume</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
10. Stability and Reactivity

**Chemical stability**
Stable under recommended storage conditions.

**Conditions to avoid**
Do not mix with other chemicals.

**Incompatible materials**
Do not mix with acids or ammonia, will cause hazardous vapours.

**Hazardous decomposition products**
May include and are not limited to: Oxides of sulphur. Oxides of phosphorus. 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>Sodium dichloroisocyanurate dihydrate</td>
<td>&gt; 1637.5 Mg/m3/4H rat</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium tripolyphosphate</td>
<td>Not available</td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate</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>Sodium dichloroisocyanurate dihydrate</td>
<td>620 mg/kg rat</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>1153 mg/kg rat</td>
</tr>
<tr>
<td>Sodium tripolyphosphate</td>
<td>3100 mg/kg rat</td>
</tr>
<tr>
<td>Tetrasodium pyrophosphate</td>
<td>4000 mg/kg rat</td>
</tr>
</tbody>
</table>

**Effects of acute exposure**

<table>
<thead>
<tr>
<th>Eye</th>
<th>Causes irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>May cause irritation.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>None expected during normal conditions of use. May cause respiratory tract irritation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed.</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

**Ecotoxicity - Freshwater Fish Species Data**

<table>
<thead>
<tr>
<th>Sodium metasilicate</th>
<th>6834-92-0</th>
<th>96 Hr LC50 Brachydanio rerio: 210 mg/L [semi-static]; 96 Hr LC50 Brachydanio rerio: 210 mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium tripolyphosphate</td>
<td>7758-29-4</td>
<td>48 Hr LC50 Leuciscus idus: 1650 mg/L</td>
</tr>
<tr>
<td>Ecotoxicity - Water Flea Data</td>
<td>6834-92-0</td>
<td>96 Hr EC50 Daphnia magna: 216 mg/L</td>
</tr>
</tbody>
</table>
Environmental effects
Aquatic toxicity
Persistence / degradability
Bioaccumulation / accumulation
Partition coefficient
Mobility in environmental media
Chemical fate information

13. Disposal Considerations

Waste codes
Disposal instructions
Dispose in accordance with all applicable regulations.
Waste from residues / unused products
Not available
Contaminated packaging
Do not re-use empty containers.

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
15. Regulatory Information

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

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities
Sodium tripolyphosphate  7758-29-4  5000 Lb final RQ (Sodium phosphate, tribasic); 2270 kg final RQ (Sodium phosphate, tribasic)

U.S. - CWA (Clean Water Act) - Hazardous Substances
Sodium tripolyphosphate  7758-29-4  Present

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

CERCLA (Superfund) reportable quantity
Sodium tripolyphosphate: 5000.0000

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
Sodium tripolyphosphate 7758-29-4 Present (listed under Sodium phosphate, tribasic)
Tetrasodium pyrophosphate 7722-88-5 Present

U.S. - California - Reportable Quantity List for Pollutants
Sodium tripolyphosphate 7758-29-4 5000 Lb final RQ (listed under Sodium phosphate, tribasic); 2270 kg final RQ (listed under Sodium phosphate, tribasic)

U.S. - Massachusetts - Right To Know List
Sodium dichloroisocyanurate 51580-86-0 Present
Sodium tripolyphosphate 7758-29-4 Present
Tetrasodium pyrophosphate 7722-88-5 Present

U.S. - Minnesota - Hazardous Substance List
Tetrasodium pyrophosphate 7722-88-5 Present

U.S. - New Jersey - Right to Know Hazardous Substance List
Tetrasodium pyrophosphate 7722-88-5 Present

U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances
Sodium tripolyphosphate 7758-29-4 5000 Lb RQ (air); 100 lb RQ (land/water)

U.S. - Pennsylvania - RTK (Right to Know) List
Sodium dichloroisocyanurate dihydrate 51580-86-0 Present
Sodium tripolyphosphate 7758-29-4 Environmental hazard
Tetrasodium pyrophosphate 7722-88-5 Present

U.S. - Rhode Island - Hazardous Substance List
Sodium dichloroisocyanurate dihydrate 51580-86-0 Flammable
Tetrasodium pyrophosphate 7722-88-5 Toxic

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

27443-38210 - FINISH® GLASS MAGIC® - Dishwasher Performance Booster - 16 oz. - 377312

Issue date

16-Nov-2009

Effective date

15-Nov-2009

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.