1. Product and Company Identification

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - All Scents</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS #</td>
<td>Mixture</td>
</tr>
</tbody>
</table>

This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).

This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

Product Use

Toilet bowl cleaner

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

2. Hazards Identification

Emergency overview

WARNING
EYE AND SKIN IRRITANT.
Causes severe eye and skin irritation.
Do not get in eyes, on skin or on clothing.
Wash hands after handling.

KEEP OUT OF REACH OF CHILDREN.

Potential short term health effects

Routes of exposure
Eye, Skin contact, Inhalation, Ingestion.

Eyes
Severe eye irritant.

Skin
Irritating to skin.
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.
May be harmful if swallowed.

Target organs
Skin. Eyes. Respiratory system.

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>Sodium alkylbenzene sulfonate</td>
<td>68411-30-3</td>
<td>20 - 40</td>
</tr>
<tr>
<td>Proprietary fragrance</td>
<td>Mixture</td>
<td>2.5 - 10</td>
</tr>
<tr>
<td>Amorphous silica, precipitated</td>
<td>112926-00-8</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>1 - 2.5</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>13463-67-7</td>
<td>0.1 - 1</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. If irritation persists, get medical attention.

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

**Ingestion**
If swallowed, call a Poison Control Center or doctor immediately. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician or Poison Control Center immediately. Rinse mouth with water.

**Notes to physician**
Treat patient symptomatically.

**General advice**
Do not puncture or incinerate container. 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 nitrogen.

**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.

**Environmental precautions**
Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.

**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**
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**
- Ensure adequate ventilation.
- Do not get in eyes, on skin or on clothing.
- Do not ingest.
- Use good industrial hygiene practices in handling this material.
- When using do not eat or drink.
- Wash thoroughly with soap and water after handling.
- Read and follow product label for instructions.

**Storage**
- Store in a cool dry place inaccessible to children and pets.
- Store at room temperature.
- Keep out of the reach of children.

8. Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Exposure limits</th>
<th>Ingredient(s)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amorphous silica, precipitated</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 10 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 6 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Proprietary fragrance</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>Sodium alkylbenzene sulfonate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>Sodium carbonate</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not established</td>
</tr>
<tr>
<td></td>
<td>Titanium oxide</td>
<td>ACGIH-TLV</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 10 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA-PEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 15 mg/m3</td>
</tr>
</tbody>
</table>

**Engineering controls**
- General ventilation normally adequate.

**Personal protective equipment**

- **Eye / face protection**
  - Wear safety glasses with side shields.

- **Hand protection**
  - Wear suitable protective clothing.
  - Emergency responders should wear impermeable gloves.

- **Skin and body protection**
  - As required by employer code. Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow label directions carefully.

- **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.
9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Color</td>
<td>Violet, Yellow, Blue</td>
</tr>
<tr>
<td>Form</td>
<td>Blocks</td>
</tr>
<tr>
<td>Odor</td>
<td>Lavender, Citrus, Marine</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>8 - 10</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>&gt; 200 °F (&gt; 93.33 °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>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Octanol/water coefficient</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (H2O)</td>
<td>Complete</td>
</tr>
<tr>
<td>VOC (Weight %)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>Not available</td>
</tr>
</tbody>
</table>

10. Stability and Reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactivity</td>
<td>This product may react with strong acids.</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>Excessive heat. DO NOT MIX WITH BLEACH or use in conjunction with other household products.</td>
</tr>
<tr>
<td>Incompatible materials</td>
<td>Oxidizers. Acids.</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>May include and are not limited to: Oxides of carbon. Oxides of nitrogen.</td>
</tr>
</tbody>
</table>

11. Toxicological Information

<table>
<thead>
<tr>
<th>Component analysis - LC50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous silica, precipitated</td>
<td>&gt; 2 Mg/L rat</td>
</tr>
<tr>
<td>Proprietary fragrance</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium alkylbenzene sulfonate</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>400 mg/m3 guinea pig</td>
</tr>
<tr>
<td>Titanium oxide</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>Amorphous silica, precipitated</td>
<td>31600 mg/kg rat</td>
</tr>
<tr>
<td>Proprietary fragrance</td>
<td>Not available</td>
</tr>
<tr>
<td>Sodium alkylbenzene sulfonate</td>
<td>404 mg/kg rat</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg rat</td>
</tr>
<tr>
<td>Titanium oxide</td>
<td>24000 mg/kg rat</td>
</tr>
</tbody>
</table>

### Effects of acute exposure

- **Eye**: Severe eye irritant.
- **Skin**: Irritating to skin. 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. May be harmful if swallowed.

### 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

<table>
<thead>
<tr>
<th>Ecotoxicity - Freshwater Algae - Acute Toxicity Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium alkylbenzene sulfonate 68411-30-3</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
</tr>
<tr>
<td>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</td>
</tr>
<tr>
<td>Sodium alkylbenzene sulfonate 68411-30-3</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
</tr>
<tr>
<td>Ecotoxicity - Water Flea - Acute Toxicity Data</td>
</tr>
<tr>
<td>Sodium alkylbenzene sulfonate 68411-30-3</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
</tr>
</tbody>
</table>

#### 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**

Review federal, state/provincial, and local government requirements prior to disposal. Discard with solid waste.
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
   Maximum Quantity Not applicable
15. Regulatory Information

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical: Yes

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

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: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Hazardous substance

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. - Illinois - Toxic Air Contaminant Carcinogens
Titanium oxide 13463-67-7 IARC 2B Carcinogen

U.S. - Massachusetts - Right To Know List
Amorphous silica, precipitated 112926-00-8 Present
Titanium oxide 13463-67-7 Present

U.S. - Minnesota - Hazardous Substance List
Amorphous silica, precipitated 112926-00-8 Present (dust, amorphous, gel and precipitated)
Titanium oxide 13463-67-7 Present (dust)

U.S. - New Jersey - Right to Know Hazardous Substance List
Amorphous silica, precipitated 112926-00-8 sn 3510
Titanium oxide 13463-67-7 sn 1861

U.S. - Pennsylvania - RTK (Right to Know) List
Amorphous silica, precipitated 112926-00-8 Present
Titanium oxide 13463-67-7 Present

U.S. - Rhode Island - Hazardous Substance List
Titanium oxide 13463-67-7 Toxic

Inventory status

Country(s) or region Inventory name On inventory (yes/no)*
United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

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**
LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - Lavender - 0245588v1.0
LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - Citrus - 0245589v1.0
LYSOL® No Mess Automatic Toilet Bowl Cleaner Complete Clean - Spring Waterfall - 0245591v1.0

**Issue date**
18-Sep-2012

**Effective date**
15-Sep-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.