

## 1. Product and Company Identification

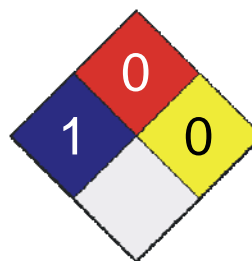
**Product Name** CALGON® Water Softener - Powder  
**CAS #** Mixture  
 This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's 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** Water softener

**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<br>HMIS/NFPA |   |
|---------------------|---|
| Severe              | 4 |
| Serious             | 3 |
| Moderate            | 2 |
| Slight              | 1 |
| Minimal             | 0 |

|                     |     |
|---------------------|-----|
| Health              | / 1 |
| Flammability        | 0   |
| Physical Hazard     | 0   |
| Personal Protection | A   |



## 2. Hazards Identification

**Emergency overview** CAUTION  
 EYE IRRITANT.  
 MAY BE HARMFUL IF SWALLOWED.  
 DO NOT get in eyes. DO NOT ingest.  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** May cause eye irritation.  
**Skin** None expected during normal conditions of use.  
 Not expected to be a skin sensitizer.  
**Inhalation** None expected during normal conditions of use.  
**Ingestion** May be harmful if swallowed.

**Target organs** Eyes. Skin.

**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** See section 12.

### 3. Composition / Information on Ingredients

| Ingredient(s)          | CAS #     | Percent |
|------------------------|-----------|---------|
| Sodium sesquicarbonate | 533-96-0  | 40 - 60 |
| Sodium citrate         | 6132-04-3 | 20 - 40 |

### 4. First Aid Measures

#### First aid procedures

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | 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. |
| <b>Skin contact</b> | Wash off immediately with plenty of water. Call a physician if irritation develops and persists.   |
| <b>Inhalation</b>   | Move to fresh air.   |
| <b>Ingestion</b>    | If swallowed, rinse mouth and drink a glass of water. Call a Physician or Poison Control Center. Do not induce vomiting.   |

#### 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.

#### Explosion data

**Sensitivity to mechanical impact** Not available

**Sensitivity to static discharge** Not available

### 6. Accidental Release Measures

#### Personal precautions

Avoid contact with eyes. Use personal protective equipment. 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

Prevent entry into waterways, sewers, basements or confined areas.

#### Methods for cleaning up

Avoid dust formation. 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 dust formation.  
Ensure adequate ventilation.  
Avoid contact with eyes, skin and clothing.  
Use good industrial hygiene practices in handling this material.  
When using do not eat or drink.  
Wash hands before breaks and immediately after handling the product.

**Storage**

Keep out of reach of children.  
 Store in original container in a cool, secure area inaccessible to children and pets.  
 Keep at temperatures below 40°C.

## 8. Exposure Controls / Personal Protection

**Exposure limits**

| Ingredient(s)          | Exposure Limits   |
|------------------------|---|
| Sodium sesquicarbonate | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |
| Sodium citrate         | <b>ACGIH-TLV</b><br>Not established<br><b>OSHA-PEL</b><br>Not established |

**Engineering controls**

General ventilation normally adequate.

**Personal protective equipment**

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

**Eye / face protection**

Avoid contact with eyes. Wear safety glasses with side shields.  
 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**

No special requirements under normal use conditions.  
 For sensitive skin or prolonged use, wear rubber gloves.  
 Emergency responders should wear impermeable gloves.

**Skin and body protection**

Avoid contact with skin, eyes and clothing.  
 Usual safety precautions while handling the product will provide adequate protection against injury or irritation.  
 Follow label directions carefully.

**Respiratory protection**

No special requirements under normal use conditions.  
 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.  
 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

|   |                |
|---|----------------|
| <b>Appearance</b>                                     | Powder         |
| <b>Color</b>  | White.         |
| <b>Form</b>   | Solid.         |
| <b>Odor</b>   | Characteristic |
| <b>Odor threshold</b>                                 | Not available  |
| <b>Physical state</b>                                 | Solid          |
| <b>pH</b>   | 10.0 ± 0.2     |
| <b>Freezing point</b>                                 | Not available  |
| <b>Boiling point</b>                                  | Not available  |
| <b>Pour point</b>                                     | Not available  |
| <b>Evaporation rate</b>                               | Not available  |
| <b>Flash point</b>                                    | Not applicable |
| <b>Auto-ignition temperature</b>                      | Not available  |
| <b>Flammability limits in air, lower, % by volume</b> | Not applicable |

|   |                |
|---|----------------|
| <b>Flammability limits in air, upper, % by volume</b> | Not applicable |
| <b>Vapor pressure</b>                                 | Not available  |
| <b>Vapor density</b>                                  | Not available  |
| <b>Specific gravity</b>                               | 800-960 G/mL   |
| <b>Octanol/water coefficient</b>                      | Not available  |

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## 10. Stability and Reactivity

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|   |   |
|---|---|
| <b>Reactivity</b>                         | This product may react with strong oxidizing agents.        |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.                    |
| <b>Chemical stability</b>                 | Stable under recommended storage conditions.                |
| <b>Conditions to avoid</b>                | Do not mix with other chemicals.<br>Do not mix with bleach. |
| <b>Incompatible materials</b>             | Acids.  |
| <b>Hazardous decomposition products</b>   | May include and are not limited to: Oxides of carbon.       |

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## 11. Toxicological Information

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### Component analysis - LC50

| Ingredient(s)          | LC50          |
|------------------------|---------------|
| Sodium sesquicarbonate | Not available |
| Sodium citrate         | Not available |

### Component analysis - Oral LD50

| Ingredient(s)          | LD50           |
|------------------------|----------------|
| Sodium sesquicarbonate | 5600 mg/kg rat |
| Sodium citrate         | Not available  |

### Effects of acute exposure

|   |   |
|---|---|
| <b>Eye</b>  | May cause eye irritation.   |
| <b>Skin</b>   | None expected during normal conditions of use.<br>Not expected to be a skin sensitizer. |
| <b>Inhalation</b>                                   | None expected during normal conditions of use.  |
| <b>Ingestion</b>                                    | May be harmful if swallowed.  |
| <b>Sensitization</b>                                | The finished product is not expected to have chronic health effects.                    |
| <b>Chronic effects</b>                              | The finished product is not expected to have chronic health effects.                    |
| <b>Carcinogenicity</b>                              | The finished product is not expected to have chronic health effects.                    |
| <b>Mutagenicity</b>                                 | The finished product is not expected to have chronic health effects.                    |
| <b>Reproductive effects</b>                         | The finished product is not expected to have chronic health effects.                    |
| <b>Teratogenicity</b>                               | The finished product is not expected to have chronic health effects.                    |
| <b>Name of Toxicologically Synergistic Products</b> | Not available   |

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## 12. Ecological Information

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|  |   |
|--|---|
| <b>Ecotoxicity</b>                     | Components of this product have been identified as having potential environmental concerns. |
| <b>Persistence / degradability</b>     | Not available   |
| <b>Bioaccumulation / accumulation</b>  | Not available   |
| <b>Mobility in environmental media</b> | Not available   |
| <b>Environmental effects</b>           | Not available   |
| <b>Aquatic toxicity</b>                | Not available   |
| <b>Partition coefficient</b>           | Not available   |
| <b>Chemical fate information</b>       | Not available   |

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## 13. Disposal Considerations

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|  |  |
|--|--|
| <b>Disposal instructions</b>                 | Dispose in accordance with all applicable regulations.<br>Empty container can be discarded in the trash or recycled where appropriate. |
| <b>Waste from residues / unused products</b> | Not available  |
| <b>Contaminated packaging</b>                | Not available  |

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## 14. Transport Information

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**UN/ID N.o.** Not applicable

**U.S. Department of Transportation (DOT): Classification:** Not regulated

|                              |                |
|------------------------------|----------------|
| <b>Proper shipping name</b>  | Not applicable |
| <b>U.S. DOT Hazard Class</b> | Not applicable |
| <b>Subsidiary Risk</b>       | Not applicable |
| <b>Packing group</b>         | Not applicable |
| <b>DOT RQ (lbs)</b>          | Not applicable |
| <b>ERG NO</b>                | Not applicable |

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

|                             |                |
|-----------------------------|----------------|
| <b>Proper shipping name</b> | Not applicable |
| <b>Status</b>               | Not applicable |
| <b>Packing group</b>        | Not applicable |

**IMDG (Marine Transport): Classification:** Not regulated

|                             |                |
|-----------------------------|----------------|
| <b>Proper shipping name</b> | Not applicable |
| <b>Class</b>                | Not applicable |
| <b>Subsidiary Risk</b>      | Not applicable |
| <b>Packing group</b>        | Not applicable |
| <b>IMDG Page</b>            | Not applicable |
| <b>Marine pollutant</b>     | Not applicable |
| <b>EMS</b>                  | Not applicable |
| <b>MFAG</b>                 | Not applicable |
| <b>Maximum Quantity</b>     | 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

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## 15. Regulatory Information

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### 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.

### 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)** Not available

**State regulations** This product is not subject to warning labeling under the California Proposition 65 regulation.

### Inventory status

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

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

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## 16. Other Information

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**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** CALGON® Water Softener - Powder - 0311458v1.0

**Issue date** 19-Oct-2012

**Effective date** 15-Oct-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.