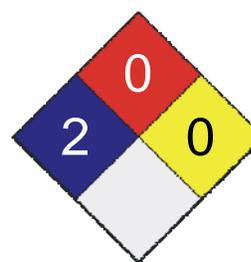


### 1. Product and Company Identification

**Product Name** CALGON® WATER SOFTENER (POWDER)  
**UPC CODES** Refer to Section 16  
**CAS #** Mixture  
**Product use** Water softener  
**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

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	0
Physical Hazard	0
Personal Protection	B



### 2. Hazards Identification

**Emergency overview** CAUTION  
 EYE IRRITANT. Avoid contact with eyes.  
 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** Eye irritant.  
**Skin** May cause irritation upon overexposure.  
**Inhalation** Product not tested for inhalation toxicity.  
 May cause mild nasal irritation upon inhalation of dust.  
**Ingestion** Burning pain in mouth and throat.  
 Difficulty swallowing, excessive salivating in infants.  
 Reddening and swelling of mucous membranes of mouth and throat.

**Target organs** Eyes. Skin.  
**Chronic effects** The finished product is not expected to have chronic health effects.  
**Signs and symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Carbonic acid, sodium salt (2:3)	533-96-0	40 - 60
Sodium citrate	6132-04-3	20 - 40
Sodium sulfate	7757-82-6	20 - 40

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## 4. First Aid Measures

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### 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>	In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	If swallowed, rinse mouth and drink a glass of water. Call a Physician or Poison Control Center.

### Notes to physician

Symptoms may be delayed.

### 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.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Treat for surrounding material.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	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.
<b>Methods for containment</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	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.

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## 7. Handling and Storage

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<b>Handling</b>	CAUTION CAUSES EYE IRRITATION. HARMFUL IF SWALLOWED. MAY CAUSE SKIN IRRITATION. Avoid contact with eyes and skin. Use good industrial hygiene practices in handling this material.
<b>Storage</b>	Keep out of reach of children. Store in original container in a cool, secure area inaccessible to children and pets.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Carbonic acid, sodium salt (2:3)	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium citrate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium sulfate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Not normally required under normal use conditions.  
If splashes are likely to occur, wear: Safety goggles or glasses.  
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

Wash off with soap and water.  
Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.

#### Respiratory protection

Not normally required 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. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

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## 9. Physical and Chemical Properties

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Appearance	Free-flowing
Color	White.
Form	granular powder
Odor	Floral
Odor threshold	Not available
Physical state	Solid
pH	10.5 (Basic)
Freezing point	Not available
Pour point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	2.53 (Water = 1)(Sodium carbonate)

Octanol/water coefficient	Not available
Solubility (H2O)	Complete
Auto-ignition temperature	Not available

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Acids.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of sulphur.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Carbonic acid, sodium salt (2:3)	Not available
Sodium citrate	Not available
Sodium sulfate	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Carbonic acid, sodium salt (2:3)	5600 mg/kg rat
Sodium citrate	Not available
Sodium sulfate	10000 mg/kg rat; 5989 mg/kg mouse

### Effects of acute exposure

<b>Eye</b>	Eye irritant.
<b>Skin</b>	May cause irritation upon overexposure.
<b>Inhalation</b>	Product not tested for inhalation toxicity. May cause mild nasal irritation upon inhalation of dust.
<b>Ingestion</b>	Burning pain in mouth and throat. Difficulty swallowing, excessive salivating in infants. Reddening and swelling of mucous membranes of mouth and throat.

### 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.

### Synergistic Materials

Not available

## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

### Ecotoxicity - Freshwater Fish Species Data

Sodium sulfate	7757-82-6	96 Hr LC50 Pimephales promelas: 13500 - 14500 mg/L; 96 Hr LC50 Pimephales promelas: >6800 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 3040 - 4380 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 13500 mg/L
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### Ecotoxicity - Water Flea Data

Sodium sulfate	7757-82-6	96 Hr EC50 Daphnia magna: 630 mg/L; 48 Hr EC50 Daphnia magna: 2564 mg/L
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**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence / degradability** Not available

**Bioaccumulation / accumulation** Not available

**Partition coefficient** Not available

Mobility in environmental media Not available  
Chemical fate information Not available

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### 13. Disposal Considerations

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Waste codes Not available  
Disposal instructions Dispose in accordance with all applicable regulations.  
Waste from residues / unused products Not available  
Contaminated packaging 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  
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  
MFIAG 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

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## 15. Regulatory Information

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**US Federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

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

**29 CFR 1910.1200 hazardous chemical** Yes

**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** 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. - Massachusetts - Right To Know List**

Sodium sulfate 7757-82-6 Present

**U.S. - Pennsylvania - RTK (Right to Know) List**

Sodium sulfate 7757-82-6 Environmental hazard

**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)

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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**

51700-20400 - CALGON WATER SOFTENER (POWDER) - 40 oz. - 372397

**Issue date**

21-Jan-2010

**Effective date**

15-Jan-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.