

# Safety Data Sheet: CHEM-AQUA 150

Supersedes Date 08/28/2013

Issuing Date 05/28/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHEM-AQUA 150  
**Recommended use** Water treatment chemical  
**Information on Manufacturer**  
CHEM-AQUA, INC  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 0586  
**Chemical nature** Aqueous solution  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Colorless - Straw

**Physical State** Liquid

**Odor** Slightly Sweet

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Serious Eye Damage/Eye Irritation

Category 2B

##### Other hazards

None

#### Labeling

##### Signal Word

**WARNING**

##### Hazard Statements

H320 - Causes eye irritation

##### Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.

12 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component                | CAS-No     | Weight % |
|--------------------------|------------|----------|
| Sodium hexametaphosphate | 68915-31-1 | 7-13     |
| Sodium polyacrylate      | 9003-04-7  | 5-10     |

## 4. FIRST AID MEASURES

#### General advice

Avoid contact with skin, eyes and clothing. Avoid breathing mist.

#### Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

#### Skin Contact

Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

#### Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

#### Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

#### Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Flash Point** Does not flash

**Method** Not applicable

**Flammability Limits in Air %** Not applicable.

**Upper** No data available **Lower** No data available

#### Suitable Extinguishing Media

Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Specific hazards arising from the chemical

Material can create slippery conditions.

#### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

|             |                 |                       |                      |
|-------------|-----------------|-----------------------|----------------------|
| <b>NFPA</b> | <b>Health 1</b> | <b>Flammability 1</b> | <b>Instability 0</b> |
| <b>HMIS</b> | <b>Health 1</b> | <b>Flammability 1</b> | <b>Instability 0</b> |

## 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.   |
| <b>Environmental Precautions</b> | Do not flush into surface water or sanitary sewer system.   |
| <b>Methods for Containment</b>   | Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). |
| <b>Methods for Cleaning Up</b>   | Pick up and transfer to properly labeled containers.  |
| <b>Neutralizing Agent</b>        | Not applicable.   |

## 7. HANDLING AND STORAGE

|                            |  |              |                |                                   |
|----------------------------|--|--------------|----------------|-----------------------------------|
| <b>Handling</b>            | Avoid contact with skin, eyes and clothing. Avoid breathing mist.  |              |                |                                   |
| <b>Storage</b>             | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. |              |                |                                   |
| <b>Storage Temperature</b> | <b>Minimum</b>   | 35 °F / 2 °C | <b>Maximum</b> | 120 °F / 49 °C                    |
| <b>Storage Conditions</b>  | <b>Indoor</b>  | X            | <b>Outdoor</b> | <b>Heated</b> <b>Refrigerated</b> |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Component                | ACGIH TLV                | OSHA PEL                 | NIOSH             |
|--------------------------|--------------------------|--------------------------|-------------------|
| Sodium hexametaphosphate | No data available        | No data available        | No data available |
| Sodium polyacrylate      | 3 mg/m <sup>3</sup> PNOS | 5 mg/m <sup>3</sup> PNOR | No data available |

|                                       |   |
|---------------------------------------|---|
| <b>Engineering Measures</b>           | Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.      |
| <b>Personal Protective Equipment</b>  |   |
| <b>Eye/Face Protection</b>            | Safety glasses with side-shields.   |
| <b>Skin Protection</b>                | For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.  |
| <b>Respiratory Protection</b>         | In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. |
| <b>General Hygiene Considerations</b> | Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.   |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                     |                           |                                  |                   |
|-------------------------------------|---------------------------|----------------------------------|-------------------|
| <b>Physical State</b>               | Liquid                    | <b>Viscosity</b>                 | Non viscous       |
| <b>Color</b>                        | Colorless - Straw         | <b>Odor</b>                      | Slightly Sweet    |
| <b>Odor Threshold</b>               | Not applicable            | <b>Appearance</b>                | Transparent       |
| <b>pH</b>                           | 8                         | <b>Specific Gravity</b>          | 1.16              |
| <b>Evaporation Rate</b>             | 0.49 (Butyl acetate=1)    | <b>Percent Volatile (Volume)</b> | 85                |
| <b>VOC Content (%)</b>              | 0                         | <b>VOC Content (g/L)</b>         | 0                 |
| <b>Vapor Pressure</b>               | 15 mmHg @ 70°F            | <b>Vapor Density</b>             | 0.6 (Air = 1.0)   |
| <b>Solubility</b>                   | Completely soluble        | <b>n-Octanol/Water Partition</b> | No data available |
| <b>Melting Point/Range</b>          | No data available         | <b>Decomposition Temperature</b> | No data available |
| <b>Boiling Point/Range</b>          | 212 °F / 100 °C           | <b>Flammability (solid, gas)</b> | No data available |
| <b>Flash Point</b>                  | Does not flash            | <b>Method</b>                    | Not applicable    |
| <b>Autoignition Temperature</b>     | No information available. |                                  |                   |
| <b>Flammability Limits in Air %</b> | Not applicable.           | <b>Upper</b>                     | No data available |
|                                     |                           | <b>Lower</b>                     | No data available |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical Stability</b>                 | Stable. Hazardous polymerization does not occur.    |
| <b>Conditions to Avoid</b>                | None known  |
| <b>Incompatible Products</b>              | Strong oxidizing agents                             |
| <b>Hazardous Decomposition Products</b>   | Carbon oxides, Oxides of phosphorus, Sodium oxides. |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing                        |

## 11. TOXICOLOGICAL INFORMATION

**Product Information**

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

|                        |                          |
|------------------------|--------------------------|
| <b>Oral LD50</b>       | No information available |
| <b>Dermal LD50</b>     | No information available |
| <b>Inhalation LC50</b> |                          |
| <b>Gas</b>             | No information available |
| <b>Mist</b>            | No information available |
| <b>Vapor</b>           | No information available |

|                                      |   |
|--------------------------------------|---|
| <b>Principle Route of Exposure</b>   | Skin contact, Eye contact, Inhalation.  |
| <b>Primary Routes of Entry</b>       | None known  |
| <b>Acute Effects</b>                 |   |
| <b>Eyes</b>                          | May cause eye irritation.   |
| <b>Skin</b>                          | May cause skin irritation.  |
| <b>Inhalation</b>                    | May cause irritation of respiratory tract.                                      |
| <b>Ingestion</b>                     | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| <b>Chronic Toxicity</b>              | None known.   |
| <b>Target Organ Effects</b>          | None known  |
| <b>Aggravated Medical Conditions</b> | None known  |

**Component Information****Acute Toxicity**

| Component                | LD50 Oral         | LD50 Dermal       | LC50 Inhalation   | Draize Test       | Other             |
|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Sodium hexametaphosphate | no data available | no data available | no data available | no data available | no data available |
| Sodium polyacrylate      | 5000 mg/kg        | 2000 mg/kg        | no data available | no data available | no data available |

| Component                | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|--------------------------|-------------------|-------------------|------------------------|-----------------------|----------------------|
| Sodium hexametaphosphate | no data available | no data available | no data available      | no data available     | no data available    |
| Sodium polyacrylate      | no data available | no data available | no data available      | no data available     | no data available    |

**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

| Component                | ACGIH          | IARC           | NTP            | OSHA           | Other          |
|--------------------------|----------------|----------------|----------------|----------------|----------------|
| Sodium hexametaphosphate | not applicable | not applicable | not applicable | not applicable | not applicable |
| Sodium polyacrylate      | not applicable | not applicable | not applicable | not applicable | not applicable |

## 12. ECOLOGICAL INFORMATION

**Product Information** No information available.

**Component Information**

| Component                | Toxicity to Algae | Toxicity to Fish  | Microtox          | Water Flea        | log Pow |
|--------------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Sodium hexametaphosphate | no data available | no data available | no data available | no data available | N/A     |
| Sodium polyacrylate      | no data available | no data available | no data available | no data available | N/A     |

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and Degradability</b> | No information available. |
| <b>Bioaccumulation</b>               | No information available. |
| <b>Mobility</b>                      | No information available. |

## 13. DISPOSAL CONSIDERATIONS

|                           |  |
|---------------------------|--|
| <b>Product Disposal</b>   | Dispose of in accordance with local regulations.                                   |
| <b>Container Disposal</b> | Empty containers should be taken for local recycling, recovery, or waste disposal. |

## 14. TRANSPORT INFORMATION

|                 |               |
|-----------------|---------------|
| <b>DOT</b>      | Not regulated |
| <b>TDG</b>      | Not regulated |
| <b>ICAO</b>     | Not regulated |
| <b>IATA</b>     | Not regulated |
| <b>IMDG/IMO</b> | Not regulated |

## 15. REGULATORY INFORMATION

**Inventories**

TSCA Complies  
 DSL Complies

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

| Acute Health Hazard | Chronic Health Hazard | Fire Hazard | Sudden Release of Pressure Hazard | Reactive Hazard |
|---------------------|-----------------------|-------------|-----------------------------------|-----------------|
| Yes                 | No                    | No          | No                                | No              |

**CERCLA**

| Component                | Hazardous Substances RQs | CERCLA EHS RQs |
|--------------------------|--------------------------|----------------|
| Sodium hexametaphosphate | Not applicable           | Not applicable |
| Sodium polyacrylate      | Not applicable           | Not applicable |

## 16. OTHER INFORMATION

Prepared By Devon Kebodeaux  
 Supersedes Date 08/28/2013  
 Issuing Date 05/28/2014  
 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

**CHEM-AQUA, INC** assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.