# Safety Data Sheet: CHEM-AQUA 85830

**Supercedes Date** 09/03/2010 **Issuing Date** 12/17/2013

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHEM-AQUA 85830
**Recommended use** Water treatment chemical
**Information on Manufacturer**
CHEM-AQUA, INC

BOX 152170
IRVING, TEXAS 75015

**Product Code** 0C99
**Chemical nature** Polymers
**Emergency Telephone Number**
CHEMTREC® 800-424-9300
**Telephone inquiry**
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** White **Physical State** Solid **Odor** Odorless

**GHS Classification**

*Physical Hazards*
Combustible dust Category 1

*Health Hazard*
Serious Eye Damage/Eye Irritation Category 2B

*Other hazards*
None

**Labeling**
*Signal Word*
**WARNING**

*Hazard Statements*
H320 - Causes eye irritation
May form combustible dust concentrations in air

*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.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS-No | Weight % |
|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | 25987-30-8 | 60-100 |
| Urea | 57-13-6 | 1-5 |

## 4. FIRST AID MEASURES

**General advice** Avoid contact with skin, eyes and clothing. Avoid breathing dust.
**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
**Skin Contact** Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
**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** Not flammable **Method** Not applicable
**Flammability Limits in Air %** Dust explosion properties. **Upper** No data available **Lower** No data available
**Suitable Extinguishing Media**
Water spray. Carbon dioxide (CO2). Dry chemical. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
**Specific hazards arising from the chemical**
Dust may form explosive mixture in air. 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.

| | | | |
|---|---|---|---|
| **NFPA** | **Health** 1 | **Flammability** 1 | **Instability** 0 |
| **HMIS** | **Health** 1 | **Flammability** 1 | **Instability** 0 |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

**Environmental Precautions** Do not flush into surface water or sanitary sewer system.

**Methods for Containment** Cover powder spill with plastic sheet or tarp to minimize spreading.

**Methods for Cleaning Up** Pick up and arrange disposal without creating dust.

**Neutralizing Agent** Not applicable.

## 7. HANDLING AND STORAGE

**Handling** Avoid contact with skin, eyes and clothing. Avoid breathing the dust.

**Storage** Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Storage Temperature** | **Minimum** | 32 °F / 0 °C | | **Maximum** | 95 °F / 35 °C | | |
| **Storage Conditions** | **Indoor** | X | **Outdoor** | **Heated** | | **Refrigerated** | |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Component | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | No data available | No data available | No data available |
| Urea | No data available | No data available | No data available |

**Engineering Measures** 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.

**Personal Protective Equipment**

**Eye/Face Protection** Safety glasses with side-shields.

**Skin Protection** For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

**General Hygiene Considerations** 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

| | | | |
|---|---|---|---|
| **Physical State** | Solid | **Viscosity** | Granular |
| **Color** | White | **Odor** | Odorless |
| **Odor Threshold** | Not applicable | **Appearance** | Opaque |
| **pH** | 8 @ 5 g/L | **Specific Gravity** | 0.80 |
| **Evaporation Rate** | Not applicable | **Percent Volatile (Volume)** | 0 |
| **VOC Content (%)** | 0 | **VOC Content (g/L)** | 0 |
| **Vapor Pressure** | 0 mmHg @ 70°F | **Vapor Density** | Not applicable |
| **Solubility** | Completely miscible | **n-Octanol/Water Partition** | No data available |
| **Melting Point/Range** | No data available | **Decomposition Temperature** | No data available |
| **Boiling Point/Range** | Not applicable | **Flammability (solid, gas)** | No data available |
| **Flash Point** | Not flammable | **Method** | Not applicable |
| **Autoignition Temperature** | No information available. | | |
| **Flammability Limits in Air %** | Dust explosion properties. | **Upper** No data available **Lower** No data available | |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Chemical Stability** | Stable. Hazardous polymerization does not occur. |
| **Conditions to Avoid** | Avoid dust formation |
| **Incompatible Products** | Strong oxidizing agents |
| **Hazardous Decomposition Products** | Carbon oxides, Nitrogen oxides (NOx). |
| **Possibility of Hazardous Reactions** | 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):**

**Oral LD50** No information available

**Dermal LD50** No information available
**Inhalation LC50**
**Gas** No information available
**Mist** No information available
**Vapor** No information available

**Principle Route of Exposure** Skin contact, Eye contact.
**Primary Routes of Entry** None known
**Acute Effects**
**Eyes** Dust may cause eye irritation.
**Skin** May cause slight irritation. Repeated exposure may cause skin dryness or cracking.
**Inhalation** May cause irritation of respiratory tract.
**Ingestion** Low hazard for usual industrial or commercial handling.
**Chronic Toxicity** Prolonged or repeated inhalation may cause damage to the lungs.
**Target Organ Effects** None known
**Aggravated Medical Conditions** None known

Component Information

**Acute Toxicity**

| Component | LD50 Oral | LD50 Dermal | LC50 Inhalation | Draize Test | Other |
|---|---|---|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | no data available |
| Urea | no data available | no data available | no data available | no data available | no data available |

**Chronic Toxicity**

| Component | Mutagenicity | Sensitization | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects |
|---|---|---|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | no data available |
| Urea | 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 |
|---|---|---|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | not applicable | not applicable | not applicable | not applicable | not applicable |
| Urea | not applicable | not applicable | not applicable | not applicable | not applicable |

## 12. ECOLOGICAL INFORMATION

Product Information

| Toxicity to algae | Toxicity to fish | Daphnia magna (Water flea) |
|---|---|---|
| LC50/Scenedesmus subspicatus/72 hours > 100 mg/L (OECD 201) | LC50/96 hours > 100 mg/L (OECD 203) | LC50/Daphnia m./48 hours > 100 mg/L (OECD 202) |

Component Information

| Component | Toxicity to Algae | Toxicity to Fish | Microtox | Water Flea | log Pow |
|---|---|---|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | no data available | no data available | no data available | no data available | N/A |
| Urea | no data available | LC50 16200 - 18300 mg/L Poecilia reticulata 96 h | EC50 = 23914 mg/L 5 min | EC50> 10000 mg/L 24 h<br>EC50= 3910 mg/L 48 h | -1.59 |

**Persistence and Degradability** No information available.
**Bioaccumulation** No information available.
**Mobility** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.
**Container Disposal** Empty containers should be taken for local recycling, recovery, or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** 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 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 | Yes | No | No | No |

**CERCLA**

| Component | Hazardous Substances RQs | CERCLA EHS RQs |
|---|---|---|
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt | Not applicable | Not applicable |
| Urea | Not applicable | Not applicable |

## 16. OTHER INFORMATION

**Prepared By** Sarah Williamson
**Supercedes Date** 09/03/2010
**Issuing Date** 12/17/2013
**Reason for Revision** No information available.
**Glossary** No information available.
**List of References.** No information available.

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