Safety Data Sheet: CHEM-AQUA 85840

Supercedes Date 11/02/2010 **Issuing Date** 06/17/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 85840
Recommended use Water treatment chemical
Information on Manufacturer
CHEM-AQUA, INC

BOX 152170
IRVING, TEXAS 75015

Product Code 0C81
Chemical nature solid 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

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.

90 % of the mixture consists of ingredient(s) of unknown toxicity

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	3-7

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 applicable **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**	35 °F / 2 °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.
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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
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	7	**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 applicable	**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, Keep away from open flames, hot surfaces, and sources of ignition.
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, Inhalation.
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 None known.
Target Organ Effects Skin, Respiratory system.
Aggravated Medical Conditions Skin disorders, Respiratory disorders.

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	14,300-15,000 mg/kg (rat)	no data available	no data available	no data available	no data available

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/Danio rerio/96 hours > 100 mg/L (OECD 203)	LC50/Daphnia magna/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 3910 mg/L Daphnia magna 48 h EC50 10000 mg/L Daphnia magna Straus 24 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	No	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	Devon Kebodeaux
Supercedes Date	11/02/2010
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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