Safety Data Sheet: CHEM-AQUA 80170

Supercedes Date 01/04/2010 Issuing Date 05/08/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CHEM-AQUA 80170
Recommended use Water treatment chemical
Information on Manufacturer

CHEM-AQUA, INC BOX 152170

IRVING, TEXAS 75015

Product Code 0C09 Chemical nature Polymers Emergency Telephone Number CHEMTREC® 800-424-9300

Telephone inquiry 972-579-2477

2. HAZARD IDENTIFICATION

Color Colorless - Yellow Physical State Liquid Odor Amine-like

GHS

Classification

Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Other hazards

None

Labeling

Signal Word WARNING

Hazard Statements

H320 - Causes eye irritation

Precautionary Statements

Category 2B

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 %
Epichlorohydrin-dimethylamine copolymer	25988-97-0	40-70

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 > 212 °F /> 100 °C Method Seta closed cup

Flammability Limits in Air % Mixture. Upper No data available Lower No data available

Suitable Extinguishing Media

Water spray. Foam. Carbon dioxide (CO2). 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.

NFPA Health 1 Flammability 1 Instability 0

HMIS Health 1 Flammability 1 Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Solutions

extremely slippery when spilled.

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

Methods for Containment 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).

Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

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

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

Freezing will affect the physical condition but will not damage the material. Thaw and mix before

Storage Temperature 32 °F / 0 °C Maximum 86 °F / 30 °C Minimum Storage Conditions Indoor Outdoor Heated Refrigerated Χ

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component **ACGIH TLV OSHA PEL** NIOSH Epichlorohydrin-dimethylamine copolymer 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 Liquid Viscosity Viscous Color Colorless - Yellow Odor Amine-like **Odor Threshold** Not applicable Transparent **Appearance Specific Gravity** рΗ 1.16

Evaporation Rate < 1 (Butyl acetate=1)

VOC Content (%)

VOC Content (g/L) 0 **Vapor Pressure** < 24 mmHg @ 68°F Vapor Density < 0.804 (Air = 1.0)n-Octanol/Water Partition Solubility Completely soluble No data available Melting Point/Range No data available **Decomposition Temperature** No data available **Boiling Point/Range** > 212 °F / 100 °C Flammability (solid, gas) No data available **Flash Point** > 212 °F / > 100 °C Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Upper No data available Lower No data available Mixture.

> AND REACTIVITY 10. STABILITY

Chemical Stability Stable. Hazardous polymerization does not occur.

Conditions to Avoid Do not freeze

Strong oxidizing agents Incompatible Products

Hazardous Decomposition Products Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas. **Possibility of Hazardous Reactions**

None under normal processing

Percent Volatile (Volume)

50

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

Primary Routes of Entry

Skin contact, Eye contact, Inhalation.

None known

Acute Effects

EyesMay cause eye irritation.SkinMay cause skin irritation.

Inhalation May cause irritation of respiratory tract.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity
None known.
Target Organ Effects
None known
Aggravated Medical Conditions
Component Information
None known

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Epichlorohydrin-dimethylamine	no data available				
copolymer					

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Epichlorohydrin-dimethylamine	no data available	no data available	no data available	no data available	no data available
copolymer					

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Epichlorohydrin-dimethylamine	not applicable				
copolymer					

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Epichlorohydrin-dimethylamine	no data available	no data available	no data available	no data available	N/A
copolymer					

Persistence and Degradability

Bioaccumulation

No information available.

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 Reactive Hazard
			Pressure Hazard	d
Yes	No	No	No	No
CERCLA				
Component		Hazardous Substanc	Hazardous Substances POs C	

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Component		Hazardous Substances RQs CERCLA EHS RQs	
	Epichlorohydrin-dimethylamine copolymer	Not applicable	Not applicable

16. OTHER INFORMATION

 Prepared By
 Adrienne McKee

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 01/04/2010

 Issuing Date
 05/08/2014

Reason for RevisionNo information available.GlossaryNo information available.List of References.No information available.

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