

# Safety Data Sheet: CHEM-AQUA 84875

Supersedes Date 08/08/2014

Issuing Date 10/28/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHEM-AQUA 84875  
**Recommended use** Water treatment chemical  
**Information on Manufacturer**  
CHEM-AQUA, INC  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 0C27  
**Chemical nature** Petroleum distillates and Surfactant (as an emulsion)  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Off white

**Physical State** Liquid

**Odor** Hydrocarbon-like

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Acute Inhalation Toxicity - Vapors  
Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Specific target organ systemic toxicity (single exposure)

Category 3  
Category 2  
Category 2B  
Category 3

##### Other hazards

None

### Labeling

#### Signal Word

**WARNING**



#### Hazard Statements

H315 - Causes skin irritation  
H320 - Causes eye irritation  
H332 - Harmful if inhaled  
H336 - May cause drowsiness or dizziness

#### Precautionary Statements

P280 - Wear protective gloves, protective clothing and eye protection.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P261 - Avoid breathing vapors or mist.  
P271 - Use in a well-ventilated area.  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs, get medical attention.  
P362 - Take off contaminated clothing and wash before reuse  
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.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P312 - Call a physician if unwell.  
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed  
P501 - Dispose of contents and container in accordance with applicable regulations.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Proprietary Polymer 254504001-5464	TRADE SECRET	15-40
Petroleum distillates, hydrotreated light	64742-47-8	15-40
Alcohols, C12-16, ethoxylated	68551-12-2	3-7
Proprietary Ester 254504001-5414	TRADE SECRET	1-5

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## 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wipe up with absorbent material (e.g. cloth, fleece). Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
<b>Notes to physician</b>	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Closed cup
<b>Flammability Limits in Air %</b>	Not applicable.	<b>Upper</b>	No data available
		<b>Lower</b>	No data available
<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	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 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>
<b>HMIS</b>	<b>Health 2</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.
<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>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
<b>Neutralizing Agent</b>	Not applicable.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Contaminated surfaces will be extremely slippery.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	90 °F / 32 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines</b>	***		
Component	ACGIH TLV	OSHA PEL	NIOSH
Petroleum distillates, hydrotreated light	525 mg/m <sup>3</sup> TWA	No data available	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>	Wear suitable protective clothing, Impervious gloves.
<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>	Viscous
<b>Color</b>	Off white	<b>Odor</b>	Hydrocarbon-like
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque

<b>pH</b>	4	<b>Specific Gravity</b>	1.04
<b>Evaporation Rate</b>	< 1 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	48
<b>VOC Content (%)</b>	27	<b>VOC Content (g/L)</b>	281
<b>Vapor Pressure</b>	5 mmHg @ 68°F	<b>Vapor Density</b>	> 1 (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>	No data available	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Closed cup
<b>Autoignition Temperature</b>	212 °F / 100 °C		
<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, Aluminum, Copper alloys, Strong acids, Strong bases, Reducing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Hydrocarbons, Nitrogen oxides (NOx).
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION**

Product Information

<b>LD50 Oral</b> > 5,000 mg/kg (mouse)
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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

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.  
**Primary Routes of Entry** Inhalation

<b>Acute Effects</b>	
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Causes skin irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic Toxicity</b>	Repeated exposure may cause skin dryness or cracking.
<b>Target Organ Effects</b>	Central nervous system, Skin, Eyes, Kidney.
<b>Aggravated Medical Conditions</b>	Respiratory disorders, Skin disorders, Neurological disorders.
<b>Component Information</b>	No information available

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Petroleum distillates, hydrotreated light	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	no data available	no data available	no data available

**Chronic Toxicity** None known

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	Respiratory system, CNS, Liver, Kidney

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

**12. ECOLOGICAL INFORMATION**

Product Information

<b>Toxicity to fish</b> LC 50 = 11 mg/L (Pimephales promelas) 48 hr	<b>Daphnia magna (Water flea)</b> LC50 = 1.75 mg/L (Ceriodaphnia dubia) 48 hr
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Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Petroleum distillates, hydrotreated light	no data available	LC50 = 2.2 mg/L Lepomis macrochirus 96 h	no data available	LC50 4720 mg/L Dendronereides heteropoda	N/A

		LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h		96 h	
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**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 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**

**16. OTHER INFORMATION**

**Prepared By** Adrienne McKee  
**Supersedes Date** 08/08/2014  
**Issuing Date** 10/28/2014  
**Reason for Revision** No information available.  
**Glossary** No information available.  
**List of References.** No information available.

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