

# Safety Data Sheet: CHEM-AQUA CLC PLUS

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** CHEM-AQUA CLC PLUS  
**Recommended use** Cleaning agent  
**Information on Manufacturer**  
CHEM-AQUA, INC  
BOX 152170  
IRVING, TEXAS 75015

**Product Code** 4429  
**Chemical nature** solid mixture  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Blue

**Physical State** Solid

**Odor** Odorless

### GHS

#### Classification

##### Physical Hazards

None

##### Health Hazard

Skin Corrosion/Irritation

Category 2

Serious Eye Damage/Eye Irritation

Category 2A

Carcinogenicity

Category 2

Specific target organ systemic toxicity (repeated exposure)

Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard Statements

H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H373 - May cause damage to organs through prolonged or repeated exposure  
H351 - Suspected of causing cancer

#### Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P270 - Do not eat, drink or smoke when using this product  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/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 advice/attention.  
P501 - Dispose of contents/container to an approved waste disposal plant.

13 % of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Sodium tripolyphosphate	7758-29-4	60-100
Sodium sulfate	7757-82-6	10-30
Sodium metasilicate pentahydrate	10213-79-3	3-7
Nonylphenol, ethoxylated and phosphated	51811-79-1	3-7
Tetrasodium pyrophosphate	7722-88-5	1-5
Sodium trimetaphosphate	7785-84-4	1-5
Coconut fatty acid	68936-15-8	1-5
Soyamide diethanolamine	68425-47-8	1-5
Cocamide DEA	68603-42-9	1-5

#### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid contact with skin, eyes and clothing. Avoid breathing dust.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
<b>Skin Contact</b>	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<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 immediately. Never give anything by mouth to an unconscious person.
<b>Notes to physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Seta closed cup
<b>Flammability Limits in Air %</b>	No information available.	<b>Upper</b>	No data available
<b>Suitable Extinguishing Media</b>	Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Foam. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	<b>Lower</b>	No data available
<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. Material can create slippery conditions.
<b>Environmental Precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for Containment</b>	Cover powder spill with plastic sheet or tarp to minimize spreading.
<b>Methods for Cleaning Up</b>	Pick up and arrange disposal without creating dust.
<b>Neutralizing Agent</b>	Not applicable.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Avoid breathing dust.			
<b>Storage</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
<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 tripolyphosphate	No data available	No data available	No data available
Sodium sulfate	No data available	No data available	No data available
Sodium metasilicate pentahydrate	No data available	No data available	No data available
Nonylphenol, ethoxylated and phosphated	No data available	No data available	No data available
Tetrasodium pyrophosphate	No data available	No data available	TWA: 5 mg/m <sup>3</sup>
Sodium trimetaphosphate	No data available	No data available	No data available
Coconut fatty acid	No data available	No data available	No data available
Soyamide diethanolamine	No data available	No data available	No data available
Cocamide DEA	No data available	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>	Tightly fitting safety goggles.
<b>Skin Protection</b>	Wear suitable protective clothing, Impervious gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>General Hygiene Considerations</b>	Wear protective gloves/clothing. 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>	Solid	<b>Viscosity</b>	Granular
<b>Color</b>	Blue	<b>Odor</b>	Odorless
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Opaque
<b>pH</b>	No data available	<b>Specific Gravity</b>	0.88
<b>Evaporation Rate</b>	Not applicable	<b>Percent Volatile (Volume)</b>	0
<b>VOC Content (%)</b>	0	<b>VOC Content (g/L)</b>	0
<b>Vapor Pressure</b>	0 mmHg @ 70°F	<b>Vapor Density</b>	No information available
<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>	Not applicable	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	> 201 °F / > 94 °C	<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	No information available.	<b>Upper</b>	No data available
		<b>Lower</b>	No data available

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Keep away from open flames, hot surfaces, and sources of ignition
<b>Incompatible Products</b>	Strong oxidizing agents, Metals, Acids.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Sulfur 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

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

**Primary Routes of Entry** Ingestion

**Acute Effects**

<b>Eyes</b>	Severe irritation.
<b>Skin</b>	Severe irritation.
<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Ingestion</b>	Irritating to mouth, throat, and stomach.

**Chronic Toxicity**

Kidney injury may occur. Contains a known or suspected carcinogen.

**Target Organ Effects** Respiratory system, Kidney, Spleen, Eyes, Skin.

**Aggravated Medical Conditions** Skin disorders, Kidney disorders, Respiratory disorders.

## Component Information

**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium tripolyphosphate	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	no data available	no data available	no data available
Sodium sulfate	> 10000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Sodium metasilicate pentahydrate	no data available	no data available	no data available	no data available	no data available
Nonylphenol, ethoxylated and phosphated	no data available	no data available	no data available	no data available	no data available
Tetrasodium pyrophosphate	> 2000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Sodium trimetaphosphate	no data available	> 4640 mg/kg ( Rabbit )	no data available	no data available	no data available
Coconut fatty acid	no data available	no data available	no data available	no data available	no data available
Soyamide diethanolamine	no data available	no data available	no data available	no data available	no data available
Cocamide DEA	= 12400 µL/kg ( Rat )	no data available	no data available	no data available	no data available

**Chronic Toxicity**

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium tripolyphosphate	no data available	no data available	no data available	no data available	Spleen, kidneys
Sodium sulfate	no data available	no data available	no data available	no data available	Respiratory system
Sodium metasilicate pentahydrate	no data available	no data available	no data available	no data available	no data available
Nonylphenol, ethoxylated and phosphated	no data available	no data available	no data available	no data available	no data available
Tetrasodium pyrophosphate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin

Sodium trimetaphosphate	no data available	no data available	no data available	no data available	no data available
Coconut fatty acid	no data available	no data available	no data available	no data available	no data available
Soyamide diethanolamine	no data available	no data available	no data available	no data available	no data available
Cocamide DEA	no data available	no data available	no data available	no data available	no data available

**Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium tripolyphosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium sulfate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium metasilicate pentahydrate	not applicable	not applicable	not applicable	not applicable	not applicable
Nonylphenol, ethoxylated and phosphated	not applicable	not applicable	not applicable	not applicable	not applicable
Tetrasodium pyrophosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium trimetaphosphate	not applicable	not applicable	not applicable	not applicable	not applicable
Coconut fatty acid	not applicable	not applicable	not applicable	not applicable	not applicable
Soyamide diethanolamine	not applicable	not applicable	not applicable	not applicable	not applicable
Cocamide DEA	not applicable	Group 2B	not applicable	X	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 tripolyphosphate	no data available	LC50 = 1650 mg/L <i>Leuciscus idus</i> 48 h	no data available	no data available	N/A
Sodium sulfate	no data available	LC50 13500 - 14500 mg/L <i>Pimephales promelas</i> 96 h LC50 > 6800 mg/L <i>Pimephales promelas</i> 96 h LC50 3040 - 4380 mg/L <i>Lepomis macrochirus</i> 96 h LC50 = 13500 mg/L <i>Lepomis macrochirus</i> 96 h	no data available	EC50= 630 mg/L 96 h EC50= 2564 mg/L 48 h	N/A
Sodium metasilicate pentahydrate	no data available	no data available	no data available	no data available	N/A
Nonylphenol, ethoxylated and phosphated	no data available	no data available	no data available	no data available	N/A
Tetrasodium pyrophosphate	no data available	no data available	no data available	no data available	N/A
Sodium trimetaphosphate	no data available	no data available	no data available	no data available	N/A
Coconut fatty acid	no data available	no data available	no data available	no data available	N/A
Soyamide diethanolamine	no data available	no data available	no data available	no data available	N/A
Cocamide DEA	no data available	LC50 = 3.6 mg/L <i>Brachydanio rerio</i> 96 h	EC50 = 6000 mg/L 16 h	EC50= 4.2 mg/L 24 h	N/A

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
Sodium tripolyphosphate	Not applicable	Not applicable
Sodium sulfate	Not applicable	Not applicable
Sodium metasilicate pentahydrate	Not applicable	Not applicable
Nonylphenol, ethoxylated and phosphated	Not applicable	Not applicable
Tetrasodium pyrophosphate	Not applicable	Not applicable
Sodium trimetaphosphate	Not applicable	Not applicable
Coconut fatty acid	Not applicable	Not applicable
Soyamide diethanolamine	Not applicable	Not applicable
Cocamide DEA	Not applicable	Not applicable

**16. OTHER INFORMATION**

Prepared By Angela Hutson  
 Supercedes Date 03/08/2012  
 Issuing Date 03/11/2013  
 Reason for Revision No information available.  
 Glossary No information available.  
 List of References. No information available.

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