

## SECTION 1 - IDENTIFICATION

### Product Identifier

CLOSED SYSTEM CLEANER

### Other Means of Identification

CSC1; CSC5

### Recommended Use of the Chemical

Cooling tower cleaner

### Responsible Party

**Name** Atlantic Chemical & Equipment Company

**Address** 3471 Atlanta Industrial Pwky,  
Atlanta, GA 30331 USA

**Phone** 1.800.929.2436

**Web** acechempro.com

### Emergency Phone Number

For Chemical Emergencies call Chemtrec at 1.800.262.8200

## SECTION 2 – HAZARD IDENTIFICATION

### Classification of the Chemical

Eye Damage, category 1

Respiratory Sensitization, category 1

Specific Target Organ Toxicity–Repeated Exposure, category 2

Skin Irritation, category 2

### Signal Word

Danger

### Hazard Symbols



### Hazard Statement(s)

Causes serious eye damage

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause damage to central nervous system through prolonged or repeated exposure.

Causes skin irritation

### Precautionary Statement(s)

Wear eye protection and protective gloves

Avoid breathing vapors or mists

In case of inadequate ventilation, wear respiratory protection

Wash hands and exposed skin thoroughly after handling

Do not eat, drink, or smoke when using this product

Get medical advice if you feel unwell

Dispose of container in accordance with local regulations

IF ON SKIN (or hair): Wash with plenty of water. *If* skin irritation occurs: Get medical advice. Specific treatment (see FIRST AID section on this label). Take off contaminated clothing and wash it before reuse.

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a poison control center.

### Hazards Not Otherwise Classified

None known

0% of the mixture consists of ingredients of unknown toxicity

### Note

Labeling information found on this SDS may be different from label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency

## SECTION 3 – COMPOSITION

Ingredient	CAS	wt%	GHS Classification(s)
Hexylene glycol	107-41-5	5-15	Skin Irrit 2; Eye Irrit 2a
Potassium pyrophosphate	7320-34-5	<10	Eye Irrit 2
Sodium metasilicate pentahydrate	10213-79-3	<5	Acute Tox 4 (derm); Eye Dam 1; Resp Sens 1; STOT-RE 2

### Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions

## SECTION 4 – FIRST AID MEASURES

### General First Aid Measures

If medical attention is required then provide product label or safety data sheet to a medical professional

### Most Important Symptoms

Breathing difficulties

### If Inhaled

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing

### If on Skin

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse

### Indication of Immediate Medical Attention

Seek immediate medical attention if eyes are exposed

### If in Eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Rinse for at least 10 minutes to ensure proper flushing of material from eye. Call a poison control center.

### If Swallowed

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water

## SECTION 5 – FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

None known

### Specific Hazards Arising From the Chemical

None known

### Hazardous Combustion Products

None known

### Special Protective Equipment for Fire-fighters

Not determined

### Precautions for Fire-Fighters

Not determined



## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture

### Protective Equipment

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses

### References

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

### Emergency Procedures

Evacuate all non-essential personnel from the area. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

### Methods for Containment and Clean Up

Provide mechanical ventilation. Soak up with an absorbing agent such as saw dust, sand, or sponges and sweep into a container appropriate for storage. Offer to a licensed waste disposal company for appropriate disposal

## SECTION 7 – HANDLING AND STORAGE

### Precautions for Safe Handling

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment

### Conditions for Safe Storage

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Store appropriate to NFPA ratings found in Section 15 of this SDS.

### Storage Incompatibilities

None known

## SECTION 8 – PERSONAL PROTECTION

### Exposure Limits

Ingredient	CAS	PEL	AGCIH	NIOSH
Hexylene glycol	107-41-5	125 mg/m <sup>3</sup>	25 ppm	125 mg/m <sup>3</sup>
Potassium pyrophosphate	7320-34-5	n/a	n/a	n/a
Sodium metasilicate pentahydrate	10213-79-3	n/a	n/a	n/a

### General Note

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section

### Appropriate Engineering Controls

Ensure adequate mechanical ventilation capable of preventing vapor build up



## Eye Protection

Eye glasses or goggles are required when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible

## Skin Protection

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material

## Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. Not anticipated to require personal breathing apparatuses for use or other respiratory protection equipment

## SECTION 9 – CHEMICAL PROPERTIES

<b>Appearance</b>	Clear liquid	<b>Upper Explosive %</b>	Not determined
<b>Odor</b>	Not determined	<b>Lower Explosive %</b>	Not determined
<b>Odor Threshold</b>	Not determined	<b>Vapor Density</b>	1 (air = 1)
<b>pH</b>	13	<b>Relative Density</b>	Not determined
<b>Melting Point</b>	Not applicable	<b>Solubility</b>	Not determined
<b>Boiling Point</b>	212 °F	<b>Partition Coefficient</b>	Not determined
<b>Flash Point</b>	>200 °F	<b>Auto-Ignition Temp</b>	Not determined
<b>Evaporation Rate</b>	1 (water = 1)	<b>Decomposition Temp</b>	Not determined
<b>Flammability</b>	Not determined	<b>Viscosity</b>	Not determined

## SECTION 10 – STABILITY AND REACTIVITY

### Reactivity

Material is not anticipated to be reactive

### Chemical Stability

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

### Possibility of Hazardous Reactions

None known

### Conditions to Avoid

Ensure that chemical is not exposed to heat, direct sunlight, or sources of ignition

### Incompatible Materials

Not determined

### Hazardous Decomposition Products

Not anticipated to produce any hazardous decomposition products beyond any health risk

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Acute Toxicity Estimates

Oral – Contains no ingredient(s) considered toxic  
Dermal – Contains no ingredient(s) considered toxic  
Inhalation - Contains no ingredient(s) considered toxic

### Aspiration Hazard

Contains no ingredient(s) which poses a risk in this category

### Carcinogenicity

Contains no ingredient(s) which poses a risk in this category

The logo for Ace, featuring the word "Ace" in a stylized, red, cursive font with a registered trademark symbol (®) to the upper right.

**Eye Damage/Irritation**

Assumed to cause permanent eye damage

**Germ Cell Mutagenicity**

Contains no ingredient(s) which poses a risk in this category

**Reproductive Toxicity**

Contains no ingredient(s) which poses a risk in this category

**Respiratory Sensitization**

Causes breathing difficulties if inhaled

**Skin Corrosion/Irritation**

Will cause skin irritation if exposed

**Skin Sensitization**

Contains no ingredient(s) which poses a risk in this category

**Specific Target Organ Toxicity – Repeated Exposure**

Causes damage to central nervous system

**Specific Target Organ Toxicity – Single Exposure**

Contains no ingredient(s) which poses a risk in this category

**Delayed and Immediate Effects From Short- and Long-Term Exposure**

Not determined

**Symptoms related to the Chemical Characteristics**

Not determined

**International Agency for Research on Cancer Listing**

No ingredient(s) listed as possibly carcinogenic

**National Toxicology Program Listing**

No ingredient(s) listed as possibly carcinogenic

## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity Estimated Values**

Algae	Contains no ingredient(s) considered toxic
Fish	Contains no ingredient(s) considered toxic
Crustacea	Contains no ingredient(s) considered toxic

**Bioaccumulative Potential**

Not determined

**Mobility in Soil**

Not determined

**Persistence and Degradability**

Not determined

**Other Adverse Effects**

Not determined

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal of Empty Containers**

Empty container can be recycled

**Disposal of Material**

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material



## SECTION 14 – TRANSPORTATION INFORMATION

**Hazard Placards:**

Not regulated

**Special Precautions**

Keep in original container. Do not store excessive weight on top

<b>UN Number</b>	Not regulated
<b>UN Shipping Name</b>	Not regulated
<b>Technical Name(s)</b>	Not regulated
<b>Hazard Class(es)</b>	Not regulated
<b>Packaging group</b>	Not regulated
<b>Limited Quantity</b>	Not regulated
<b>Marine Pollutant</b>	No
<b>Transport in Bulk</b>	Not determined

## SECTION 15 – REGULATORY INFORMATION

**SARA 311/312**

Hexylene glycol; Potassium pyrophosphate; Sodium metasilicate pentahydrate

**HMIS®III (higher numbers indicate higher risk)**

Health	3
Flammability	0
Physical Hazard	0

**SARA 313**

No applicable ingredient(s)

**TSCA Inventory List**

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

**NFPA (higher numbers indicate higher risk)**

Health	3
Flammability	0
Instability	0

**California**

Prop65  
ARB Designation  
VOC Limit

No applicable ingredient(s)  
Single purpose cleaner  
Not applicable

## SECTION 16 – OTHER INFORMATION

**Revision History**

August 2021      SDS Review and re-authoring

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- END SAFETY DATA SHEET -

