

Product ACS-CWO-494  
 Revision Date 07/16/2015  
 Revision I



## Safety Data Sheet

### SECTION 1: IDENTIFICATION

<b>Product Name Identifier Uses</b>	<b>ACS-CWO-494</b> Cooling Water Treatment.
<b>Supplier</b>	Advanced Chemical Service Inc. 3410 La Sierra Ave.#F271 Riverside, CA 92503 Tel: 800-319-9227
<b>Contact Person Emergency Telephone</b>	800-319-9227 / <a href="http://www.advancedchemicalservice.com">www.advancedchemicalservice.com</a> 24-HOUR EMERGENCY TELEPHONE: INFOTRAC: 1-800-535-5053 INTERNATIONAL#: 1-352-323-3500

### SECTION 2: HAZARDS IDENTIFICATION

#### Recommended Use:

<b>Appearance</b>	liquid.
<b>Color</b>	Clear to slightly hazy liquid.
<b>Odor</b>	Vinegar like.

#### Pictogram(s)



<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation
<b>Precautionary Statements</b>	P264: Wash hands thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves / protective clothing / eye protection / face protection. 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. P321: Specific treatment (see First Aid Measures on Safety Data Sheet) P305+P351+P338: IF IN EYES: Immediately flush eyes with running water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention
<b>Contains</b>	Alkylamide hydrolysate
<b>GHS Classification Physical and Chemical Hazards Human Health Environment</b>	Not classified Not available Not classified
<b>OSHA Regulatory Status</b>	This product is Hazardous under the OSHA Hazard communication Standard.

<b>Inhalation</b>	No specific symptoms noted, inhalation is not believed to be a likely route of exposure.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	May cause irritation, redness, and pain. Skin irritation.
<b>Eye contact</b>	Causes serious eye damage. Irritation of eyes may cause redness, swelling, pain and tearing.
<b>Routes of Exposure</b>	Unknown

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### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Composition Comments</b>	Confidential business information has been removed without affecting the overall safety information on the safety data sheet.
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### SECTION 4: FIRST AID MEASURES

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#### Description of first aid measures

<b>General Information</b>	General first aid, rest, warmth and fresh air.
<b>Inhalation</b>	No identified hazard associated with inhalation.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. If this product contacts the skin, immediately flush the affected area with plenty of clean running water for at least fifteen (15) minutes.
<b>Eye contact</b>	Do not rub eye. Promptly wash eyes with plenty of water while lifting the eye lids. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Continue to rinse. Immediately flush with plenty of water for up to 15 minutes.

#### Most important symptoms and effects, both acute and delayed

<b>General Information</b>	
<b>Inhalation</b>	No specific symptoms noted, inhalation is not believed to be a likely route of exposure.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	May cause irritation, redness, and pain. Skin irritation.
<b>Eye contact</b>	Causes serious eye damage, irritation of eyes may cause redness, swelling, pain and tearing.
<b>Routes of Exposure</b>	Unknown

#### Most important symptoms and effects, both acute and delayed

<b>Notes to the Physician</b>	Treat Symptomatically.
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### SECTION 5: FIREFIGHTING MEASURES

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<b>Auto Ignition Temperature (°C)</b>	No Information available.
<b>Flammability Limit–Lower (%)</b>	No Information available.
<b>Flammability Limit–Upper (%)</b>	No Information available.
<b>Flashpoint</b>	No Information available.
<b>Extinguishing Media</b>	Use fire-extinguishing media appropriate for surrounding materials. Water, foam, dry chemical or carbon dioxide.
<b>Hazardous combustion products</b>	Oxides of carbon, oxide of sulfur or oxides of nitrogen
<b>Unusual Fire &amp; Explosion Hazards</b>	Dried residue can thermally decompose, giving off irritating and possibly toxic fumes.
<b>Special Fire Fighting Procedures</b>	Use water to cool containers exposed to a fire.
<b>Protective equipment for fire-fighters</b>	Wear full protective clothing and self-contained breathing apparatus, suitable gloves and boots.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	For personal protection, see section 8. In case of inadequate ventilation, use respiratory protection. Do not smoke, use open fire or other sources of ignition. In case of spills, beware of slippery floors and surfaces.
<b>Environmental Precautions</b>	Keep out of drains, municipal sewers, open bodies of water and water course.
<b>Spill Clean Up Methods</b>	Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. For small or small spills, dike spill area and soak up material with sand or other absorbent. Place into chemical waste container for disposal according to local, state or federal regulations.

**SECTION 7: HANDLING AND STORAGE**

<b>Handling</b>	Use proper personal protection when handling. Provide good ventilation. Avoid contact with skin and eyes and clothing. Do not use contact lenses. Avoid inhalation of vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal. Freezing will not harm product performance. Simply bring to room temperature by storing at room temperature and allowing it to warm up. It is not recommended to eat or to put a heating device into contact with the liquid product.
<b>Usage Description</b>	Store in a cool, dry, and well-ventilated place away from incompatible materials. Vent containers frequently, and more often in warm weather to relieve pressure. Keep container tightly closed when not in use. Do not get in eyes, on skin, or on clothing.
<b>Storage Precautions</b>	Store closed containers in a cool, dry, well-ventilated area away from incompatible materials. This product is stable under normal conditions of handling and storage. Avoid cold temperatures. The recommended storage temperature is above 32°F, preferably at room temperature (70°F). Keep away from oxides of carbon.
<b>Specific End Use(s)</b>	The identified uses are in section 1 of this Safety Data Sheet.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Protective Equipment**

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Alkylamide hydrolysate	OSHA	Not available		Not available		

**Ingredient Comments** OSHA

**Process Conditions  
Engineering Measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Respiratory Equipment**

Use of respirator protection is not generally required. However, if exposure is above the stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

**Hand Protection**

Use rubber or plastic gloves to minimize skin contact.

**Eye Protection**

To avoid contact with eyes, use safety glasses or chemical splash goggles. Face shield is recommended. Eye wash station should be available in the work area.

**Hygiene Measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Appearance</b>	Clear to slightly hazy liquid.
<b>Color</b>	Clear to slightly hazy liquid.
<b>Odor</b>	Vinegar-like
<b>Odor Threshold -Lower</b>	No Information available.
<b>Odor Threshold - Upper</b>	No Information available.
<b>pH-Value, Conc. Solution</b>	6
<b>Melting point</b>	<35.0 °F
<b>Initial boiling point and boiling range</b>	212.0 °F
<b>Flashpoint</b>	No Information available.
<b>Evaporation rate</b>	No Information available.
<b>Flammability State</b>	No Information available.
<b>Flammability Limit-Lower (%)</b>	No Information available.
<b>Flammability Limit-Upper (%)</b>	No Information available.
<b>Vapor pressure</b>	No Information available.
<b>Vapor Density (air=1)</b>	No Information available.
<b>Relative density</b>	1.00 @ 68.0 °F
<b>Bulk Density</b>	No Information available.
<b>Solubility</b>	Completely soluble in water.
<b>Decomposition temperature</b>	No Information available.
<b>Partition coefficient; n-octanol/water</b>	No Information available.
<b>Auto Ignition Temperature (°C)</b>	No Information available.
<b>Viscosity</b>	No Information available.
<b>Explosive Properties</b>	No information available.
<b>Oxidizing properties</b>	No Information available.
<b>Molecular Weight</b>	No Information available.
<b>Volatile Organic Compound</b>	No Information available.

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	No specific data for this product.
<b>Stability</b>	This product is stable at ambient temperatures and atmospheric pressures.
<b>Hazardous Polymerization</b>	Hazardous polymerization is not expected to occur under normal temperatures and pressures.
<b>Hazardous Decomposition Products</b>	Product can decompose at elevated temperatures.
<b>Conditions to Avoid</b>	Avoid exposing to heat and contact with oxides of carbon,
<b>Materials to Avoid</b>	Do not mix with other chemicals unless listed on directions. Keep away from strong oxidizing materials and strong acids.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Toxicological Information</b>	No toxicological information for the overall finished product.
<b>Acute Toxicity (Oral LD50)</b>	5000.00mg/kg Rat
<b>Acute Toxicity (Dermal LD50)</b>	2000.00mg/kg Rabbit
<b>Acute Toxicity (Inhalation LC50)</b>	No Information available.
<b>Skin Corrosion/Irritation</b>	No Information available.
<b>Respiratory Sensitization</b>	No Information available.
<b>Skin Sensitization</b>	No Information available.
<b>Reproductive Toxicity:</b>	No Information available.
<b>Germ Cell Mutagenicity:</b>	
<b>Genotoxicity - In Vitro</b>	
<b>Genotoxicity - In Vivo</b>	
<b>Carcinogenicity:</b>	
<b>Carcinogenicity</b>	No Information available.
<b>NTP - Carcinogenicity</b>	The product and its components are not listed.
<b>OSHA - Carcinogenicity</b>	The product and its components are not listed.
<b>IARC Carcinogenicity</b>	No Information available.
<b>Specific Target Organ Toxicity - Single Exposure:</b>	
<b>STOT - Single Exposure</b>	No Information available.
<b>Specific Target Organ Toxicity - Repeated Exposure:</b>	
<b>STOT - Repeated Exposure</b>	No Information available.

Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Alkylamide hydrolysate	5000 mg/kg Rat	2000mg/kg Rabbit	

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	No Information available.
<b>Acute Toxicity - Fish</b>	LC50 96 Hours >2500.00ppm Onchorhynchus mykiss (Rainbow Trout)
<b>Acute Toxicity - Aquatic Invertebrates</b>	LC50 48 Hours >1950.00ppm Daphnia magna
<b>Acute Toxicity - Aquatic Plants</b>	EC50 72 Hours >1900.00ppm
<b>Degradability</b>	No information available.
<b>Bioaccumulative Potential</b>	No Information available.
<b>Mobility</b>	No Information available.
<b>Results of PBT and vPvB Assessment</b>	The product does not contain any PBT or vPvB substances.
<b>Other Adverse Effects</b>	None known.

Name	Acute Toxicity (Fish)	Acute Toxicity (Aquatic Invertebrates)	Acute Toxicity (Aquatic Plants)
Alkylamide hydrolysate	>2500		

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Waste Management</b>	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
<b>Disposal Methods</b>	Dispose in accordance with all applicable federal, state and local laws and regulations. Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied.

**SECTION 14: TRANSPORT INFORMATION**

<b>UN No. (DOT/TDG)</b>	Not applicable.
<b>UN No. (IMDG)</b>	Not applicable.
<b>UN No. (ICAO)</b>	Not applicable.
<b>DOT Proper Shipping Name</b>	Not applicable.
<b>TDG Proper Shipping Name</b>	Not applicable.
<b>DOT Hazard Class</b>	Not applicable.
<b>DOT Hazard Label</b>	Not applicable.
<b>TDG Class</b>	Not applicable.
<b>TDG Label(s)</b>	Not applicable.
<b>IMDG Class</b>	Not applicable.
<b>ICAO Class</b>	Not applicable.
<b>Transport Labels</b>	
<b>DOT Pack Group</b>	Not applicable.
<b>IMDG Pack Group</b>	Not applicable.
<b>Air Pack Group</b>	Not applicable.
<b>EMS</b>	Not applicable.
<b>Environmentally Hazardous Substance/Marine Pollutant</b>	No

**SECTION 15: REGULATORY INFORMATION**US Federal Regulations**SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

The Following ingredients are listed

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

The Following ingredients are listed      Alkylamide hydrolysate

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

The Following ingredients are listed

**SARA 313 Emission Reporting**

The Following ingredients are listed      Alkylamide hydrolysate

**CAA Accidental Release Prevention**

The Following ingredients are listed

**OSHA Highly Hazardous Chemicals**

The Following ingredients are listed

US State Regulations

**California Proposition 65 Carcinogens and Reproductive Toxins**

The Following ingredients are listed

**California Air Toxics "Hot Spots" (A-I)**

The Following ingredients are listed

**California Air Toxics "Hot Spots" (A-Ii)**

The Following ingredients are listed

**Massachusetts "Right To Know" List**

The Following ingredients are listed      Alkylamide hydrolysate

**Rhode Island "Right To Know" List**

The Following ingredients are listed      Alkylamide hydrolysate

**Minnesota "Right To Know" List**

The Following ingredients are listed      Alkylamide hydrolysate

**New Jersey "Right To Know" List**

The Following ingredients are listed      Alkylamide hydrolysate

**Pennsylvania "Right To Know" List**

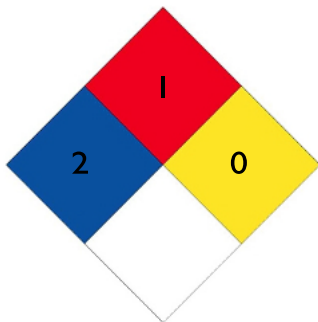
The Following ingredients are listed      Alkylamide hydrolysate

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**SECTION 16: OTHER INFORMATION**

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**NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)**



**HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)**

<b>Health</b>	2
<b>Flammability</b>	1
<b>Physical Hazard</b>	0
<b>Personal Protection</b>	D

**Disclaimer**

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