



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

### Section 1 Identification

**Trade Name:** CWA 20A Cooling Water Treatment **Date Prepared:** 01/14/2016  
**Product Identification:** GLA-20A  
**Synonyms:** None **CAS No:** 7664-93-9

**Product Use Description:**  
Inorganic Acid

#### Details of the supplier of the safety data sheet

G.L.A Water Inc.  
17802 Rapids Road  
HIRAM, OH 44234 US

**Phone:** (440) 834-8435

**website:** [www.glawater.com](http://www.glawater.com)

#### Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)  
(352) 323-3500

### Section 2 Hazards Identification

**GHS Classification:** Corrosive to Metals Category 1  
Skin Corrosion/Irritation Category 1A  
Serious Eye Damage/Irritation Category 1  
Carcinogenicity Category 1A

#### GHS label elements:



Health Hazard Corrosive

**Signal Word:** Danger

#### Hazard Statements:

- H290** May be corrosive to metals
- H314** Causes severe skin burns and eye damage
- H318** Causes serious eye damage
- H350** May cause cancer

#### Precautionary Statements:

##### Prevention

- P201** Obtain special instructions before use.
- P202** Do not handle until all safety precautions have been read and understood.
- P234** Keep only in original container.
- P260** Do not breathe mist, vapours or spray.
- P264** Wash skin thoroughly after handling.
- P280** Wear protective gloves, protective clothing and eye protection or face protection.

##### Response

- P301 + P330 + P331** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353** IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse SKIN with water.
- P304 + P340** IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
- P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

do. Continue rinsing.

**P310** Immediately call a POISON CENTER or physician.

**P363** Wash contaminated clothing before reuse.

**P390** Absorb spillage to prevent material damage.

### Storage

**P405** Store locked up.

### Disposal

**P501** Dispose of contents/container to an approved waste disposal plant.

### Hazards Not Otherwise Classified (HNOC):

None.

### Additional Information:

None.

## Section 3 Composition

Chemical Name	Common name and synonyms	CAS #	%
sulfuric acid		7664-93-9	35 - 40

## Section 4 First Aid

### General:

Move out of dangerous area. Perform first aid measures as indicated. Seek immediate medical attention and show this safety data sheet to attending physician.

### Inhalation:

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek immediate medical attention. If not breathing give artificial respiration and seek immediate medical attention.

### Skin contact:

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Seek immediate medical attention.

### Eye contact:

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

### Ingestion:

Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

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

No information available.

### Indication of any immediate medical attention and special treatment needed:

No information available.

## Section 5 Fire Fighting Measures

### Suitable Extinguishing Media:

Use alcohol foam, carbon dioxide, dry chemical or water spray. Use water spray to cool fire exposed containers.

### Unsuitable Extinguishing Media:

No information available.

### Specific hazards developing from the chemical:

Combustion may produce sulfur oxides and other unidentified chemical compounds.

### Precautions for firefighters:

No information available.

### Firefighting Instructions:

No information available.

### Protection During Firefighting:



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

**Other information:**

No additional information available.

### Section 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**Environmental precautions:**

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

**Methods and material for containment and cleaning up:**

Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

### Section 7 Handling and Storage

**Precautions for safe handling:**

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**Conditions for safe storage, including any incompatibilities:**

Store in original container. Keep container tightly closed. Store at room temperature (50-90 F) in a dry well-ventilated area.

### Section 8 Exposure Controls/Personal Protection

**Exposure limits:**

Ingredient	Data Source	Exposure Form	Exposure Value	Exposure Notes
sulfuric acid	ACGIH	TWA	1 mg/m3	
	IDLH Level	US IDLH	15 mg/m3	
	NIOSH	TWA	1 mg/m3	
	OSHA PEL	TWA	0.2 mg/m3	

**Appropriate Engineering Controls:**

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

**Individual protection measures:**

**Eye/face protection:**

Chemical goggles or face shield should be worn when handling this material.

**Skin protection:**

**Hand Protection:**

Wear chemical resistant gloves when handling.

**Other:**

Wear chemical resistant clothing or chemical splash suit when handling.

**Respiratory Protection:**

Wear respiratory protection if mist or vapor is produced, while using this material.

**General hygiene considerations:**

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

**Additional information:**

No additional information available.

### Section 9 Physical and Chemical Properties

**Appearance** Colorless Liquid **Odor** Not available.



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

Odor threshold	Not available.
pH	<1
Melting/freezing point	Not available.
Initial boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower flammability limit	Not available.
Upper flammability limit	Not available.
Lower explosive limit	Not available.
Upper explosive limit	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Complete
PC: n-octanol/water	Not available.
Auto-Ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	Not available.
Specific gravity	1.28

### Section 10 Stability and Reactivity

<b>Reactivity :</b>	May react vigorously with organic and combustible materials.
<b>Chemical stability :</b>	Material is stable under normal handling and storage conditions.
<b>Hazardous reactions :</b>	Hazardous polymerization will not occur under normal handling and storage.
<b>Conditions to avoid :</b>	Avoid excessive heating, freezing and chemical contamination.
<b>Decomposition products:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Incompatible materials:</b>	Avoid contact with alkaline chemicals and unwanted contact with metals.

### Section 11 Toxicological Information

#### Information on the likely routes of exposure:

**Inhalation:**

Corrosive to all tissue contacted.

**Skin Contact:**

Extremely corrosive and destructive to tissue contacted.

**Eye Contact:**

Corrosive to the eyes.

**Ingestion:**

Destructive to tissue contacted.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

#### Delayed and chronic effects:

No information available.

#### Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
<b>sulfuric acid:</b>				
Oral	LD50	Rat	2140 mg/kg	
Inhalation	LC50	Rat	510 mg/l	2 hr

#### Toxicological effects:

**Acute Toxicity:**

sulfuric acid:

No information available.



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

**Skin Corrosion/Irritation:**

sulfuric acid:  
No information available.

**Serious Eye Damage/Irritation:**

sulfuric acid:  
No information available.

**Respiratory sensitization:**

sulfuric acid:  
No information available.

**Skin sensitization:**

sulfuric acid:  
No information available.

**Germ cell mutagenicity:**

sulfuric acid:  
No information available.

**Carcinogenicity:**

sulfuric acid:  
This product is considered to be a potential carcinogen by:  
NTP: Yes  
OSHA: Yes  
IARC: Yes

**Reproductive toxicity:**

sulfuric acid:  
This product is not expected to cause reproductive and developmental effects.

**STOT-single exposure:**

sulfuric acid:  
No information available.

**STOT-repeated exposure:**

sulfuric acid:  
No information available.

**Aspiration hazard:**

sulfuric acid:  
This product is not an aspiration hazard.

**Additional information:**

None.

## Section 12 Ecological Information

**Ecotoxicity:**

No information available.

**Numerical measures of ecotoxicity:**

Components	Type	Species	Dose	Notes
<b>sulfuric acid:</b>				
Fish	LC50	Mosquito Fish	42 mg/l	96 hr
Invertebrate	EC50	Daphnia magna	29 mg/l	24 hr

**Persistence and degradability:**

sulfuric acid:  
No information available.

**Bioaccumulative potential:**

sulfuric acid:  
No information available.

**Mobility in soil:**

sulfuric acid:  
No information available.

**Other adverse effects:**

sulfuric acid:  
No information available.

**Additional information:**

No information available.



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

### Section 13 Disposal Considerations

**Disposal instructions:**

Dispose of material in accordance with all federal, state and local regulations.

**Contaminated packaging:**

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

**Additional Information:**

No additional information available.

### Section 14 Transport Information

**DOT:**

**UN number:** UN2796

**UN proper shipping name:** UN2796, Sulfuric Acid, Solution, 8, PGII

**Class:** 8

**Subsidiary risk:** none

**Label(s):** 8

**Packing group:** II

**Packaging exceptions:** none

### Section 15 Regulatory Information

**Federal regulations:****SARA 311/312 Hazard categories:**

Immediate (Acute) Health Hazard

Delayed (Chronic) Health Hazard

Reactivity Hazard

**SARA 302 Extremely hazardous substance:**

sulfuric acid Reportable Quantity: 1000 lbs.

**SARA 304 Emergency release notification:**

Not regulated.

**SARA 311/312 Hazardous chemical:**

Yes

**SARA 313 Toxic Release Inventory (TRI) report:**

sulfuric acid

**CERCLA Hazardous substance list:**

Not Listed.

**Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):**

This chemical is not a pesticide product.

**Clean Air Act regulated substances:**

None.

**Clean Water Act regulated substances:**

None.

**U.S. state regulations:****California Proposition 65**

sulfuric acid Listed.

**Massachusetts RTK Substances**

sulfuric acid Listed.

**New Jersey RTK Substances**

sulfuric acid Listed.

**Pennsylvania RTK Substance**

sulfuric acid Listed.

**Canadian regulations:****Canadian Ingredient Disclosure List substances:**

None listed.

**WHMIS classification:**

sulfuric acid



# Safety Data Sheet

## CWA 20A Cooling Water Treatment

Class D-1A  
Class D-1B  
Class D-2A  
Class E

### Section 16 Other Information

HMIS hazard ID:

<b>HEALTH</b>	3
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	H

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*-Chronic health effect

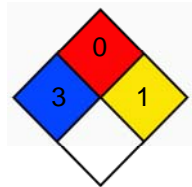
NFPA hazard ID:

Flamability:

Health:

Reactivity:

Special hazard:



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Disclaimer:** This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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