Safety Data Sheet

Number: DMN0057

Section 1 - Identification

Product Name: Cool-Rite™ #85 Water treatment containing inorganic acid. **Revised:** 10/13/17

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Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1
Hazard statements: Causes severe skin burns and serious eye damage.

Signal word: Danger

Pictogram: Corrosion

Precautionary statements

Prevention

Do not breath dusts or mists. Wash hands thoroughly after handling.
Wear protective gloves such as latex. Wear eye protection such as safety glasses with side shields.

Response

IF SWALLOWED: Rinse mouth. Do not induce vomiting.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing before reuse. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Storage: Store locked up.

Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Water	7732-18-5	80%
Sulfuric acid	7664-93-9	18%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.
Skin Contact: Flush exposed skin with running water. Remove contaminated clothing and shoes. If redness, irritation or other symptoms exist after flushing, get medical attention immediately. Wash clothing before wearing again. Throw away contaminated shoes.
Inhalation: If affected, move person to fresh air. If irritation persists, call a POISON CENTER advice.
Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Treat for shock by keeping the person warm and quiet. Get medical attention.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Any except carbonate dry powder due to reactivity.
Special Fire Fighting Procedures: None.
Unusual Fire And Explosion Hazards: Contact with reactive metals may form hydrogen gas. High heat may release some sulfur trioxide or sulfur dioxide fumes.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use adequate personal protective equipment. Spills of 1 gallon or less can be washed to the sanitary sewer with plenty of water. For larger spills, dike to prevent entry into sewers and spread soda ash (sodium carbonate) over the spill to neutralize and absorb. Collect material into clean pails or drums. Wash residue to a sanitary sewer with a large quantity of water. Wash the area with an alkaline detergent or a 25% solution of baking soda or soda ash.

Section 7 - Handling and Storage

Empty containers retain product residue and may be hazardous. Observe all precautions given in this data sheet and on label. Keep container closed. Remove leaking containers.
Bleach Warning: If this product contacts bleach or a cleaner containing bleach, or a chlorine or bromine based biocide, it could produce a dangerous gas or vapors. If your facility uses such products, employees should be trained to not mix them.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sulfuric acid	7664-93-9	18%	1 mg/m^3 (1,2,4), 0.2 mg/m^3 (3)	3 mg/m^3 (3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous
Ingredients not shown either have no known limits or are below reportable levels in section 3 above.

Ventilation: Normal room ventilation.
Respiratory Protection: None.
Protective Gloves: Use rubber, latex or Nitrile gloves. Do not use disposable latex. Disposable Nitrile are good.
Eye Protection: Wear safety glasses with side shields or chemical goggles or face shield depending on the amount of exposure anticipated.
Other Protective Equipment: If splashing is likely to occur wear an apron, protective clothing or boots as the situation calls for. Product will eat holes in cotton. Normally, changing the feed tubing requires eye and hand protection and possibly an apron. Assess your needs based on anticipated use. An eyewash station and safety shower should be located within 10 seconds travel time.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A pale yellow liquid with an acidic odor.	
Odor Threshold: Not Available	**Vapor Pressure:** Not Available
pH: concentrate 1.0 ± 0.5	**Vapor Density:** Not Available
Melting Point: Not Available	**Relative Density (Specific Gravity):** 1.11
Freezing Point: Not Available	**Solubility(ies): Water:** 100%
Boiling Point, Initial: 220° F.	**Partition coefficient:** Not Available
Boiling Range: Not Available	**Auto-ignition Temperature:** Not Available
Flash Point: None. (ASTM D-56 closed cup)	**Decomposition Temperature:** Not Available
Evaporation Rate: ~1 **(Water = 1)**	**Viscosity:** Same as water.-
Flammability: (solid, gas): Not Applicable	**Volatiles Percent:** 70%
Upper Explosive Limit: None	**V.O.C.:** 0% - 0 grams/liter
Lower Explosive Limit: None	

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, oxidizers, reactive metals. **Hazardous Decomposition Products:** None

Section 11 - Toxicological Information

Primary Routes of Entry: _X_ Skin contact; ___ Skin absorption; ___ Inhalation; _X_ Ingestion

Potential Health Effects:
Eyes - causes severe damage and may cause blindness very rapidly.
Skin - concentrate causes severe irritation which may become serious burns with permanent damage if not rinsed off quickly. Prompt flushing with water leaves only minor effects.
Swallowing - causes severe irritation and damage to mucous membranes.
Breathing - None.

Section 12 - Ecological Information

Do not dispose of in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of up to 1 gallon of concentrate in a sanitary sewer with a large amount of water. Larger amounts may be sewerable after being neutralized to within the pH limits of your waste water treatment system. Soda ash absorbent may also be allowed after dissolving in water and checking pH. Call your waste water department first.

Section 14 - Transport Information

D.O.T. Hazard Class: UN 3264, Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Sulfuric Acid), 8, P.G. III

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and CFR 372.

Chemical Name	C.A.S. No.	% By Weight	Lbs./Gallon
Sulfuric Acid	7664-93-9	18	2.79

Sulfuric acid will not exist in recirculating cooling water because the natural alkalinity will neutralize the acid. The sulfate ions remaining at pH 7.5-9.0 would be characterized as salts of sodium and calcium, etc.

Section 16 - Other Information

NFPA: H:3 F:0 I:0 **HMIS® III:** H:3 F:0 P:1 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 9/19/16. Corrected shipping name in Section 14 to Sulfuric acid.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.