

**MATERIAL SAFETY DATA SHEET**  
**Emergency Telephone (414) 251-4977**

Name: Alliance Group, Inc. Address: N114 W18621 Clinton Drive  
City: Germantown State: Wisconsin Zip Code: 53022  
Product name: CWT-0129  
Product code: 0129  
DOT Proper Shipping Name: Corrosive Liquid N.O.S. (Contains Sulfuric Acid)  
DOT I.D. Number: UN1760

**Section II - Hazardous Ingredient**

CAS Number	Chemical Component	%	TLV (ppm)	Hazard Data
7664-93-9	Sulfuric Acid	<10	1mg/m <sup>3</sup>	PEL 1mg/m <sup>3</sup>
7779-88-6	Zinc Nitrate	<5	Not Established	
7631-95-0	Sodium Molybdate	<5	Not established	
2809-21-4	1-Hydroxyethylidene 1,1-diphosphonic acid	<5	Not established	
Trade Secret	Polyacrylic copolymer	<5	Not established	

**Section III-Physical Data**

Solid:	Liquid: X	Appearance:	light yellow
Specific Gravity:	1.115	Odor:	slight odor
Solubility in water:	Complete	Freezing Point:	Not established
% Volatiles:	N.A.	pH:	<2
Evaporation Rate:	Not Established	Boiling Point:	Not Established
Vapor Pressure:	Not Established	Vapor Density:	Not Established

**Section IV - Fire and Explosive Data**

Flash Point: none  
Extinguishing Media: For fires in the area use appropriate media. For example Water Fog, Dry Chemical, Foam.

Special Fire Hazards and Equipment Required: Evacuate area of unprotected personnel. Wear protective clothing and a NIOSH - Approved pressure-demand self-contained breathing apparatus. Cool fire exposed containers with water spray. Product generates heat upon addition of water, with possible spattering. Run-off from fire control may cause pollution. Neutralize run-off with lime, soda ash, etc., to prevent corrosion of metals and formation of hydrogen gas.

Unusual Fire Explosion Hazards: Product may react with some metals ( ex.: Aluminum, Zinc, Tin, etc.) to release flammable Hydrogen gas.

**Section V- Reactive Hazards**

Product	Hazardous	will not
Stable:No Yes X	Polymerization:	occur

Conditions to avoid: Contact with water may cause violent reaction with evolution of heat. To dilute: Add product slowly to lukewarm water; not water to product.

Incompatibility: Aluminum, tin, zinc, and their alloys, strong alkali. Reducing agents. Strong oxidizing agents. Cyanides. Sulfides. Carbides. Organic materials.

**Hazardous Decomposition Products:** Thermal decomposition may produce Carbon monoxide, carbon dioxide, and unidentifiable organic materials. Nitrogen oxides. Releases sulfur dioxide at extremely high temperatures. May react with certain metals to produce flammable hydrogen gas. Hazardous gases are evolved on contact with chemicals such as Cyanides, Sulfides, Carbides, ect.

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**Section VI - Health Hazards**

**msds0129**

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**Threshold Limit Value:** 1 mg/m<sup>3</sup> (OSHA 29 CFR 1910.Z-1-A)  
1 mg/m<sup>3</sup> (ACGIH 1993-1994)  
TLV based on the value of the constituents in product containing lowest TLV.

**Eyes:** CORROSIVE - Causes severe burns and destruction of tissue. Small quantities can result in permanent damage and loss of vision. Contact may cause blindness.

**Skin:** CORROSIVE to skin. May cause irritating and severe burns to the skin. Contact causes yellowish skin discoloration.

**Ingestion:** CORROSIVE - Ingestion can cause very serious damage to the mouth, esophagus, stomach, and other tissue with which contact is made, and may be fatal. Ingestion may cause death.

**Inhalation:** CORROSIVE - Causes burns to respiratory tract. Inhalation of dust or mists can cause very serious damage to the upper respiratory tract and to the lung tissue depending upon the extent of exposure.

**Principal Routes**

**of Exposure:** Product can affect the body if it is inhaled, comes in contact with the skin or eyes, or is ingested.

**Target Organs:** Skin. Eyes. Respiratory system. Teeth.

This product does not contain greater than .1% of the known or potential carcinogens listed in NTP, IARC, or OSHA

**Medical Conditions Aggravated by Exposure:** Chronic conjunctivitis, frequent respiratory infections, emphysema, and digestive disturbances, erosion and discoloration of the teeth have been reported in persons exposed to sulfuric acid over the course of many years.

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**First Aid Procedure** - Never give fluids or induce vomiting if patient is unconscious or having convulsions.

**CALL A PHYSICIAN**

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**Eyes:** Immediately flush with large amounts of cool water for 15 minutes, holding lids apart. Call physician immediately.

**Skin:** Wash contaminated area with cool water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Do not reuse clothing or shoes until cleaned. If irritation persists, seek medical attention. Do not apply oils or ointments unless ordered by a physician.

**Ingestion:** Do not induce vomiting. If conscious, drink a quart of water. Call a physician immediately. If unconscious or in convulsions, take to a

hospital or physician.

Inhalation: Remove victim to fresh air. Call a physician immediately. If breathing has stopped, resuscitate using mouth to mouth artificial respiration. If breathing is difficult, administer oxygen. Call a Physician.

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### Section VII - Normal Handling Procedures

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Precautions to be taken

in Handling and Storage: Store in a secure, cool, dry area. Keep container tightly closed when not in use. Do not store near alkali or metals (see incompatibility). Wear protective gear listed below when handling. Do not transfer to unlabeled containers.

**Protective Equipment:**

Eyes: Chemical goggles, face shield Do not wear contact lenses.

Gloves: Acid proof. Gauntlet-type.

Other: Impervious protective clothing, apron, gauntlets, eye wash, safety shower

Ventilation Requirements: Adequate local exhaust ventilation. If recommended

Exposure Limits are exceeded wear NIOSH approved respirator. Do not use in closed or confined space.

NOTE: where carbon monoxide may be generated, special ventilation may be required.

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### Section VIII- Spill or Leak Control Procedures

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**Steps to be taken in case of spills:** Evacuate unprotected personnel from area. Maintain adequate ventilation. Use proper safety equipment. Contain spill, place into drums for proper disposal. Flush remaining area with water and neutralize with soda ash or lime and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

**Waste disposal methods:** Observe all local, state and federal regulations. Dispose of at approved Waste Treatment Facility. If approved, neutralize material and flush to sewer. DO NOT pressurize, cut, weld, braze, grind, or expose empty containers to heat, flame, sparks, or other sources of ignition.

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The above information is believed to be accurate and discloses the known hazards for this product as of this date. No additional warranties are made.  
Date: April 27, 1994 by: D.C. Miller

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## ENVIRONMENTAL DATA SHEET

Information contained must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the Environmental Data Sheet.

MIS/NFPA Label Information

	HMIS	NFPA	KEY
Health	3	3	0 = Minimal
Flammability	0	0	1 = Slight
Reactivity	0	0	2 = Moderate
Warning			3 = Serious
Warning			4 = Severe

Product/Composition

NO.	COMPONENT	CAS #	%
1	CWT-129	Not Established	100
2	Sulfuric Acid	7664-93-9	<10
3	Zinc Nitrate	7779-88-6	<5
4	Sodium Molybdate	7631-95-0	<5
5	1-Hydroxyethylidene-1,1-diphosphonic acid	2809-21-4	<5
6	Polyacrylic Copolymer	Trade Secrete	<5

RCRA Status: Refer to latest EPA or State regulations regarding proper disposal. HAZARDOUS WASTE NUMBER = D002 (40 CFR 261.22).

CERCLA reportable quantity of EPA hazardous substances in product: 10,000 pounds based on Sulfuric Acid content,

SARA Title III

No.	RQ (LBS) (*1)	TPQ (LBS) (*2)	SEC 313 (*3)	313 CATEGORY (*4)	311/312 CATEGORIES (*5)
1	*	*	*	N/A	A-C
2	1,000	1,000	Y	N/A	A-C-R
3	1,000	N/A	Y	Zinc Cpds	A-R
4	N/A	N/A	N	N/A	A
5	N/A	N/A	N	N/A	A-C
6	N/A	N/A	N	N/A	A

Note: \* RQ, TPQ, and Section 313 reporting requirements are dependent upon individual ingredients.

\*1 = Reportable quantity of CERCLA HAZARDOUS SUBSTANCE, 40 CFR Part 302, Table 302.4

\*2 = Threshold Planning Quantity, Extremely Hazardous Substance, Sec. 302

\*3 = Toxic Chemical, Sec. 313

\*4 = Category as required by SEC 313 (40 CFR 372,42), must be used on Toxic Release Inventory Form.

\*5 = Hazard Category for SARA Sec. 311/312 reporting

A = Immediate (acute) Health Hazard

F = Fire Hazard

C = Delayed ( Chronic ) Health Hazard

R = Reactive Hazard

P = Sudden Release of Pressure Hazard