



6000 Susquehanna Plaza Drive
York, PA 17406
1-800 297- 8266
(717) 848-2570 FAX

Material Safety Data Sheet
GWT-7140H

1	Health
0	Flammability
0	Reactivity
B	Protective Equipment

Identity: GWT-7140H

Section I - Manufacturer's Information

GUARDIAN CSC
6000 Susquehanna Plaza
YORK, PA 17406
(717) 848-2540
www.guardiancsc.com

Emergency Phone: CHEMTREC
Information: 1-800-424-9300
Updated: 1/1/14
DOT ID: 0000
Chemical Family: Water/Wastewater
Treatment
Hazard Class: None

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	CAS	OSHA PEL	ACGIH TLV	%
Trade Secret Ingredients	Trade Secret	*15mg/m ³ (TD) *5 mg/m ³ (RF)	*2mg/m ³ (TWA)	100

*Aluminum metal, (as Al)

PEL: OSHA Permissible Exposure Limit	TWA: Time Weighted Average, 8-hr	TD: Total dust
STEL: Short Term Exposure Limit	TLV: ACGIH Threshold Limit	ND: Nuisance dust
HI: Hazardous Ingredient	C.LIM: Ceiling Limit	INP: Inhalable Particulate
OM: Oil mist	WF: Wax fume	RF: Respirable fraction
ST: Skin TWA		

Section III - Physical/Chemical Characteristics

Boiling Point:	> 200° F	Specific Gravity (H ₂ O=1):	1.315 – 1.335
Vapor Pressure:	N/A	Melting Point:	N/A
Vapor Density:	N/A	Evaporation Rate (H ₂ O=1):	N/A
Volatiles (wt/wt)	65-70% (water)	Viscosity: (cps)	50 - 100
Solubility In Water:	100%	pH:	3.0 – 4.0
Appearance And Odor:	Clear to slightly hazy, colorless to yellow liquid with a slight amine odor		

Section IV - Fire and Explosion Hazard Data

Flash Point: N/A Flammable Limits LEL: N/A UEL: N/A
 Method Used: N/A

Extinguishing Media:

Water Spray, Carbon Dioxide, Foam, Dry Chemical

Special Fire Fighting Procedures:

Product is a water solution and nonflammable. In a fire, this product may build up pressure and rupture a sealed container; cool exposed containers with water spray. Use self-contained breathing apparatus in confined areas; avoid breathing vapors or dust.

Unusual Fire and Explosion Hazards:

This product may produce hazardous fumes or hazardous decomposition products.

Section V - Reactivity Data

Stability:	Stable
Conditions to Avoid:	None
Incompatibility (Materials to Avoid):	Product is incompatible with alkalis.
Hazardous Decomposition or Byproducts:	Thermal decomposition may release toxic and/or hazardous gases such as aluminum, Cl ₂ , and HCl.
Hazardous Polymerization:	May not occur
Personnel Conditions to Avoid:	Extended contact with skin or inhalation

Section VI - Health Hazard Data

Route(s) of Entry:
 Inhalation: Mild Skin: Mild Ingestion: Mild

Health Hazards (Acute and Chronic):

Acute and chronic health hazards are difficult to accurately assess for mixtures. In general see the first aid section for acute effects and long term effects would have to be derived from these immediate results. Specific chronic effects can be studied from the individual hazardous chemicals as indicated under Section II as the best guess without extensive laboratory studies.

Carcinogenicity:

NTP: None Known IARC Monographs: None Known OSHA: None

Signs and Symptoms of Exposure:

Prolonged contact may cause burning of the skin, eyes, and mucous membranes. Exposure to material may be corrosive to body tissue.

Medical Conditions Generally Aggravated By Exposure:

A knowledge of available toxicology information and of the physical properties of the material suggests that exposure is unlikely to aggravate existing medical conditions. However, due to the widely varying uses and personal exposures possible, an individual will have to evaluate his/her particular situation. This is an acidic irritant, and has been seen to effect the nervous system, liver, and kidney as a toxin when over exposed to material to a limited and varying degree.

Routes of Exposure

INHALATION: Inhalation of mist or spray may irritate respiratory tract.

SKIN CONTACT: This product may cause skin irritation, especially on prolonged contact.

SKIN ABSORPTION: No Data

EYE CONTACT: Direct eye contact may cause irritation, redness, swelling and pain that can become severe on prolonged contact. Prolonged exposure to Aluminum salts may cause conjunctivitis.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.\

Effects of Overexposure

ACUTE OVEREXPOSURE: Possible eye, skin and respiratory tract irritation.

CHRONIC OVEREXPOSURE: May aggravate existing skin, eye, and lung conditions. Persons with kidney disorders have an increased risk from exposure based on general information found on aluminum salts.

Emergency and First Aid Procedures:

EYES: Immediately flush with plenty of water for at least 15 minutes, holding eyelids apart to ensure flushing of the entire surface. Washing within one minute is essential to achieve maximum effectiveness. Seek medical attention.

SKIN: Wash thoroughly with soap and water, remove contaminated clothing and footwear. Wash clothing before reuse.

Get medical attention if irritation should develop.

INHALATION: Remove to fresh air; give oxygen if needed, or artificial respiration to maintain breathing. Get a Doctor if indicated.

INGESTION: Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. If conscious DO NOT induce vomiting. Give one or two glasses of water. **CALL A DOCTOR**

DO NOT INDUCE VOMITING IF:

Victim is in convulsions. Victim has symptoms of severe pain, burning sensation in the mouth or throat, or is already vomiting. Victim has ingested alkali, acid or petroleum distillate.

NOTES TO PHYSICIAN: Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents. Note: Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section VII - Precautions for Safe Handling and Use

PRECAUTIONARY STATEMENTS:

CAUTION!

THIS PRODUCT MAY CAUSE IRRITATION.

Avoid contact with eyes, skin, and clothing.

Avoid breathing mist or spray.

Wear chemical splash goggles, gloves, and protective clothing when handling.

Use with adequate ventilation and employ respiratory protection where mist or spray may be generated.

Wash thoroughly after handling.

May be harmful if swallowed or inhaled.

Keep away from heat and open flame.

Keep container closed when not in use.

FOR INDUSTRIAL USE ONLY

Steps To Be Taken In Case Material Is Released Or Spilled:

Stop leaks. Clean up spill immediately. Build dikes as necessary to contain flow of large spills. Do not allow liquid to enter stream or waterways. For small spills, use soda ash or lime to neutralize, an inert material to absorb, or wash product to a chemical sewer. Place contaminated materials into containers and store in a safe place to await proper disposal. Wear adequate personal protective clothing and equipment.

Caution: Use of soda ash or lime may generate carbon dioxide gas. Provide adequate ventilation to spill area. Approved breathing apparatus may be necessary.

Waste Disposal Method:

Since Federal, State, and Local laws vary greatly from situation to situation, and since these materials are mixtures, no one preferred waste disposal method can be given. One however must keep in mind that all of these type products are ultimately destined to go "down the drain" since they are cleaning compounds of one sort or another. Generally in highly diluted or completely neutralized state they present no particular environmental hazard, they can be treated as ordinary waste, which is piped to a sanitary sewer for proper waste treatment. The effluent from this product should not be discharged into any river, lake, stream, creek, or water shed that might contaminate drinking water unless the discharge has been specifically permitted by the proper authority as the DER, DEP, etc.

Precautions to Be Taken in Handling and Storage:

Store this product in a cool, dry place away from direct heat. Keep container tightly closed when not in use. Do not store in unlined metal containers. Product may slowly corrode iron, brass, copper, aluminum and mild steel. Do not freeze product. Do not subject product to excessive heat. KEEP OUT OF REACH OF CHILDREN. Do not contaminate with food stuffs. Do not mix with other chemicals except under direct supervision of a chemist or technically trained individual. Mix only with water. During storage and transportation of the product, keep product dry at all times, and do not exceed container integrity (improperly doubling or tripling decking of palletized goods). If sensitivity or aggravations of allergy, or unanticipated personal health problems become evident, stop use and see your supervisor. Keep in mind that often the use solution and the concentrate will have different safety precautions.

Other Precautions:

Wear safety glasses, goggles or face shield. Use PVC or rubber coated gloves. If required to meet TLV requirements, wear self-contained breathing apparatus. Use chemical apron. Have present eye wash and safety shower. Store in a cool dry area. Avoid temperature extremes.

Launder all clothing before reuse. Discard all contaminated gloves, boots, and other clothing that cannot be properly cleaned.

Section VIII - Control Measures

Respiratory Protection (Specific Type):

When exposure exceeds the PEL, use of respirator with N95, N99, N100, R95, R99, R100, P95, P99 or P100 cartridge is recommended. OSHA 29CFR 1910.134, ANSI Z88.2

Ventilation:

Local Exhaust:	Yes	Recommended:	Yes	Special:	N/A
Mechanical (General):	Usually sufficient			Other:	N/A

Protective Gloves:

PVC-coated, rubber or similar type is recommended for repeated contact with use solution, or direct contact with concentrate.

Eye Protection:

Safety goggles are always recommended, as are safety showers and eye wash fountains in all processing areas.

Other Protective Clothing or Equipment:

Wear chemical resistant protective apron when handling the product. Wear long sleeve shirts and pants. Launder dirty uniforms regularly. Wash daily to maintain good cleanliness when in contact with various cleaning or water treating chemicals.

Work/Hygienic Practices:

Non-slip work shoes with an apron are good practices to follow.
--- START CLEAN --- STAY CLEAN --- END CLEAN = WORK SAFELY

Section IX - Documentary Information

Comments:

Section II Hazardous Material Section Percentage Key. If no hazardous chemicals are present then this section is not applicable.

Nil	-> 0.0% to 0.1%
Trace	-> 0.1% to 1.0%
Some	-> 1.0% to 5.0%
Minor Comp.	-> 5.0% to 25.0%
Substantial	->25.0% to 50.0%
Major Comp.	->50.0% to 100.0%

Substances listed in Section II are those identified as being at a concentration of 1% or greater or 0.1% if the substance is on the list of potential carcinogens cited in OSHA Hazard Communication Std.

If Section II does not contain any hazardous chemicals as presently defined in our applicable tables the message...

***** NO HAZARDOUS CHEMICALS *****

.... will appear in this section above.

Section X: Toxicology

Test data is based on a product of similar composition.

Conclusions are drawn from sources other than direct testing.

Skin Irritation (human):150 mg/3D-I Mild irritation effects (1)

(1) "Cutaneous Toxicity" Drill, V. A. and P. Lazar, eds., New York, NY, Academic Press, 1977

Section XI - Ecological Information

BOD5:	mg O2/mg:	NAV
	ppm:	NAV
	Biodegradable, %:	NAV
BOD28:	mg O2/mg:	NAV
	ppm:	NAV
	Biodegradable, %:	NAV
COD:	mg O2/mg:	NAV
	ppm:	NAV
	Biodegradable, %:	NAV

Aquatic Toxicity:

The following aquatic toxicity data is available for GWT-7140H:

Ceriodaphnia dubia LC₅₀ (48 hours) – 4.2 mg/L

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of our ability without extensive research beyond our understanding or economic feasibility. Seller makes no warranty whatsoever, expressed, implied, or of merchantability of the product or of results obtained from this report.

If you determine that the data does not meet your needs or that questions remain, consult supplier before you purchase, store, transport or use this product.

Consult a technically trained service-person or salesman for use of this product as it specifically pertains to your situation. Seller assumes no responsibility for injury to buyer or to third persons or for damage to any property and buyer assumes all such risks.

Section XII - Transportation Information

DOT Proper Shipping Name: NOT APPLICABLE, NOT RESTRICTED

Harmonized Tariff Schedule Number: N/A

Section XIII - Regulatory Information

This product does not contain any ingredients subject to the reporting requirements of SARA Title III, Section 313 (40 CFR Part 372).

SARA Section 311/312: Acute Health Hazard.

TSCA: Components found in TSCA Inventory.

The information herein is given in good faith but no warranty, expressed or implied, is made.

Legend

NAV = Not Available; NAPL = Not Applicable; NTES = None Established; TRSC = Trade Secret