



# SAFETY DATA SHEET

Version 2

## 1. Identification of the Substance / Preparation and of the Company / Undertaking

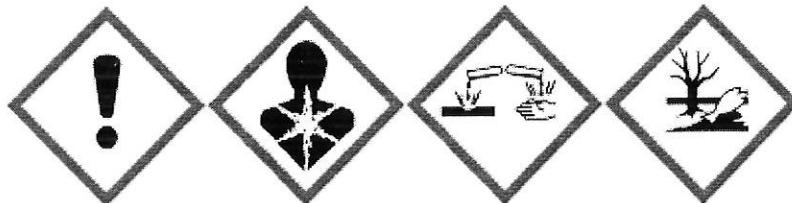
Product Name: Aqua Hawk 1000  
UN/ID No UN2581  
Synonyms: Proprietary Water Treatment Solution  
Company Name: Hawkins, Inc., 2381 Rosegate, Roseville, MN 55113 (612-331-6910)

Emergency Telephone:  
CHEMTRAC (US): 1-800-424-9300

## 2. Hazards Identification

### GHS - Classification

Acute toxicity - Oral	Category 4
Acute dermal toxicity	Category 4
Skin corrosion/irritation	Category 1 Category 1B
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1A
Germ Cell Mutagenicity:	Category 2
Reproductive Toxicity:	Category 2
Specific target organ toxicity (repeated exposure)	Category 2
Chronic aquatic toxicity	Category 2



Signal Word:

Danger

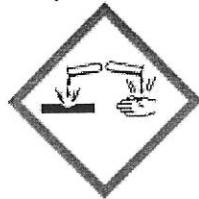
### Hazard Statements:

- Harmful if swallowed
- Harmful in contact with skin
- Causes severe skin burns and eye damage
- May cause an allergic skin reaction
- Suspected of causing genetic defects
- Suspected of damaging fertility or the unborn child
- May cause damage to organs through prolonged or repeated exposure
- Toxic to aquatic life with long lasting effects

### Physical Hazards

Corrosive to metals	Category 1
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- May be corrosive to metals



**Precautionary Statements:**

- Do not eat, drink or smoke when using this product
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Call a POISON CENTER or doctor if you feel unwell
- Specific measures (see .? on this label)
- Wash face, hands and any exposed skin thoroughly after handling
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- 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 or doctor/physician
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing should not be allowed out of the workplace
- Wear protective gloves/protective clothing/eye protection/face protection
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention
- Wash contaminated clothing before reuse
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- IF exposed or concerned: Get medical advice/attention
- Store locked up
- Do not breathe dust/fume/gas/mist/vapors/spray
- Get medical advice/attention if you feel unwell
- Dispose of contents/container to industrial incineration plant
- Avoid release to the environment
- Dispose of contents/ container to an approved waste disposal plant
- Collect spillage
- Immerse in cool water/wrap in wet bandages
- Absorb spillage to prevent material damage
- Store in corrosive resistant aluminum container with a resistant inliner

### 3. Composition / Information on Ingredients

**Hazardous**

Chemical Name	CAS No	Weight-%	EC No
Trade Secret	-	< 30	Listed

**Non-Hazardous**

Chemical Name	CAS No	Weight-%	EC No
Water	7732-18-5	> 70	231-791-2

### 4. First Aid Measures

**General Advice:**

Immediate medical attention is required.

**Eye Contact:**

Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.

**Skin Contact:**

Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

**Inhalation:** Move to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.

**Note to Physicians:** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

**Self-protection of the First Aider:** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

## 5. Fire-fighting Measures

**Flammable Properties:**

Not considered to be a fire hazard

**Explosive Properties:**

Not considered to be an explosion hazard

**Suitable Extinguishing Media:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**Unsuitable Extinguishing Media:**

No information available

**Specific Hazards Arising from the Chemical:**

The product causes burns of eyes, skin and mucous membranes, Thermal decomposition can lead to release of irritating and toxic gases and vapors, In the event of fire and/or explosion do not breathe fumes

**Protective Equipment and Precautions for Firefighters:**

In the event of a fire, wear full protective clothing and MSHA/NIOSH (approved or equivalent) self-contained breathing apparatus with full facepiece operated in the pressure-demand or other positive pressure mode

## 6. Accidental Release Measures

**Personal Precautions:** Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

**Environmental Precautions:** Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods for Cleaning Up:** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

**Other Information:** Not applicable.

## 7. Handling and Storage

**Advice on Safe Handling:** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Use only with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

## 42121 Aqua Hawk 1000

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Incompatible Materials:** Strong acids and bases; Oxidizing agents; Metals

### 8. Exposure Controls / Personal Protection

#### Exposure Guidelines

Chemical Name	ACGIH TLV			OSHA PEL	Ontario TWA	
Trade Secret				(vacated) TWA: 2 mg/m <sup>3</sup> Al Aluminum		
Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan
Trade Secret				TWA: 2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	

**Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

**Engineering Controls:** Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment (PPE)

**Eye/Face Protection:** Tight sealing safety goggles. Face protection shield.

**Body Protection:** Gloves made of plastic or rubber. Rubber boots. Suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

#### General Hygiene Considerations:

Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

### 9. Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

Physical State:	Liquid		
Appearance:	Clear	Odor:	Odorless
Color:	Colorless to yellow	Odor Threshold:	No information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH:	1	pH: < 1 (as is) No information available	
"Salt Out" Point (°F):			
Melting Point/Freezing Point:	= -35 °F		
Boiling Point/Boiling Range:	104 °C		
Flash Point:			
Evaporation Rate (BuAc=1):		No information available	
Flammability (solid, gas):		No information available	
Flammability Limits in Air:		No information available	
Upper Flammability Limit:			
Lower Flammability Limit:			
Vapor Pressure (mm Hg) :		No information available	
Vapor density (Air =1)		No information available	
Specific Gravity (H <sub>2</sub> O=1):	1.27		
Specific Gravity (2nd value):	1.29		
Water Solubility:	Completely soluble		
Solubility(ies):		No information available	
Partition Coefficient (n-octanol/water)		No information available	
Autoignition Temperature:			
Decomposition Temperature:		No information available	
Kinematic Viscosity:		No information available	
Dynamic Viscosity:		No information available	
Oxidizing Properties:	No information available		

# 42121 Aqua Hawk 1000

**Explosive Properties:** Not considered to be an explosion hazard

## 9.2. Other information

**Softening Point:** No information available  
**Molecular Weight:** No information available  
**VOC Content(%):** No information available  
**Density:** No information available  
**Bulk Density:** No information available

## **10. Stability and Reactivity**

**Stability:** Stable under normal conditions of use and storage

**Conditions to Avoid:** Exposure to air or moisture over prolonged periods; Incompatibles

**Incompatible Materials:** Strong acids and bases, Oxidizing agents, Metals

**Hazardous Decomposition Products:** Thermal decomposition can lead to release of irritating and toxic gases and vapors; Emits toxic hydrogen chloride fumes when heated to decomposition; Emits toxic chlorine fumes when heated to decomposition

**Possibility of Hazardous Reactions:** None under normal processing

## **11. Toxicological Information**

### Product Information

**Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Chemical Name	Oral LD <sub>50</sub> :	Dermal LD <sub>50</sub> :	LC <sub>50</sub> (Lethal Concentration):
Trade Secret	380 mg/kg ( Rat )	2 g/kg ( Rabbit )	
Water	90 mL/kg ( Rat )		

### Chronic Toxicity:

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP

**Target Organ Effects:** Respiratory system, Skin

## **12. Ecological Information**

### Ecotoxicity

50% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Toxic to aquatic life with long lasting effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Trade Secret		27.1: 96 h <i>Gambusia affinis</i> mg/L LC50 5.31 - 7.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 6.2 - 11.9: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50	3.9: 48 h <i>Daphnia magna</i> mg/L EC50 Static

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Mobility:** No information available.

### 13. Disposal Considerations

**Waste from Residues/Unused Products:** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated Packaging:** Do not reuse container.

### 14. Transport Information

#### DOT

Proper shipping name ALUMINUM CHLORIDE, SOLUTION  
Hazard Class 8  
UN/ID No UN2581  
Packing Group III  
Description UN2581, ALUMINUM CHLORIDE, SOLUTION, 8, PG III



### 15. Regulatory Information

#### International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States);, Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), South Korea (KECL);, China (IECSC), ENCS (Japan);, Philippines (PICCS), This product contains a substance not listed on international inventories - it is for research and development use only.

AICS	Complies
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	-
IECSC	Complies
KECL	Complies
PICCS	Complies

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Trade Secret	Listed	Listed	Listed	-	Listed	-	(1)-17 (1)-12	Listed	KE-01045	Present
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present

#### Inventory Legend

AICS - Australian Inventory of Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

RESTRICTIONS - REACH TITLE VII No information available

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic health hazard	Yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	Yes

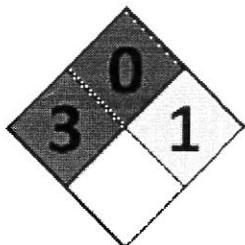
**U.S. State Right-to-Know Regulations**

**California Proposition 65:**

This product does not contain any Proposition 65 chemicals

**16. Other Information**

**National Fire Protection Association (NFPA) Ratings**



Prepared By: HSE Department

Issue Date: No data available

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Revision Note: (M)SDS sections updated 3

**Disclaimer:**

Please be advised that it is your responsibility to inform your employees of the hazards of this substance, to advise them of what these properties mean and be sure they understand exposure information. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. No warranty or guaranty, express or implied, is made regarding performance, stability, or otherwise. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage. Other factors may require additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, the handling and use remains the responsibility of the consumer. No suggestions are intended as, and should not be construed as, a recommendation to infringe on any existing patents or to violate any Federal, State, or local laws.

End of Safety Data Sheet