

# Safety Data Sheet

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Tel: CHEMTRAC 800-451-4000 7-7128

AQUAPURE ICM PLUS

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## 1 IDENTIFICATION

Product Name: AQUAPURE ICM PLUS

Product Code : 2600199

Recommended use of the chemical and restrictions on use: Industrial Wastewater Treatment

Hubbard-Hall Inc.  
563 South Leonard Street  
Waterbury, CT 06708  
Telephone

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

If skin irritation or rash occurs, get medical advice/attention.

Take off immediately all contaminated clothing and wash it before reuse.

Absorb spillage to prevent material damage.

Storage: Store in corrosive resistant high density polyethylene container.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Ferric Chloride	Iron(III) Chloride	7705-08-0	Approx 10-15%

### 4 FIRST AID

After Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

After Skin Contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

DO NOT induce vomiting. Immediately give large quantities of water or milk, if available. If vomiting does occur, give fluids again. Never give anything by mouth to an unconscious person. Call a physician or the nearest Poison Control Center.

Most Important Symptoms/Effects

Inhalation:

May give off vapor, gas or dust that is very irritating or corrosive to the respiratory system.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Causes severe skin burns

Skin:

May cause an allergic skin reaction.

Ingestion:

Harmful if swallowed. May cause burns to mouth, throat and stomach.

Indication of immediate medical attention:

Provide general supportive measures and treat symptomatically. Symptoms may be delayed. Keep victim under observation.

## 5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:	Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.
Specific hazards arising from the chemical:	Heat and fire may result in the release of corrosive fumes.
Special protective equipment and precautions for firefighter	Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

## 6 ACCIDENTAL RELEASE MEASURES

Methods and Materials for containment & cleaning up:	If OSHA trained: dam spills if possible; then neutralize spill with soda ash or lime. Flush with water to a chemical sewer or disposal system. This neutralization procedure should be conducted with good ventilation. Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.
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## 7 HANDLING AND STORAGE

Precautions for safe handling:	Wear rubber gloves, goggles and chemical protective clothing. Do not get in eyes, or on skin, or on clothing. Eating, drinking and smoking in the work area is prohibited. Keep only in original container .
Conditions for safe storage, inc any incompatibilities:	Store in corrosive resistant container.  Store locked up.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Ferric Chloride	ACGIH	1 mg/m <sup>3</sup> as Fe	

ACGIH - American Control of Governmental Hygenists  
OSHA - Occupational Safety and Health Administration

Ventilation:	Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).
Respiratory Protection:	A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
Protective Gloves:	Acid resistant rubber.
Eye Protection:	Wear chemical safety goggles.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark amber to greenish liquid
Odor:	Mild acidic odor
Odor Threshold:	N/A
PH:	<0.5
Melting Point/Freezing Point:	N/A

Initial Boiling Point and Boiling Range:	N/A
Flash Point:	None
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	1.2364
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

## 10 STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Contact with incompatible materials
Incompatible Materials:	Strong oxidizing agents. Metals and Alkalis.

## 15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 1

Cercla Ferric Chloride RQ=1000 lbs

Sara Hazard Classification SARA Hazard Categories: Immediate Hazard:Yes Delayed Hazard:No Fire Hazard-No Pressure Hazard-No Reactivity Hazard-yes

## 16 OTHER INFORMATION

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.