Material Safety Data Sheet

Section 1: Identification of Substance/mixture and of the company undertaking

1.1: Product Identifier

Product Name PAC 10%

1.2: Relevant Identified use of substance/mixture and uses advised against

1.3: Details of the Supplier of the safety data sheet

Company Name: Aquatreat

Albany House
North Dock
Llanelli
Carmarthenshire
SA15 2LF

Telephone: 01554 775236

Fax: 01554 772253

E-mail: enquiries@aquatreat.co.uk

Website: www.aquatreat.co.uk

1.4: Emergency Telephone Numbers:

Emergency Telephone: 0333 333 9499

Section 2: Hazards Identification

2.1: Classification of substance/mixture according to Regulation (EC) No 1272/2008

Classification under CLP:	H290	Met Corr. 1
	H318	Eye Dam. 1
	H318	Eye Dam. 1

Additional Information:

2.2: Label Elements: Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

Label elements under CLP:	H290	May be corrosive to metals
	H318	Causes serious eye damage
	H318	Causes serious eye damage

Signal Words: DANGER

Hazard Pictograms:

Precautionary Statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P361 Remove immediately all contaminated clothing.

2.3: Other Hazards

Section 3: Composition information on hazardous ingredients

Polyaluminium Chloride: REACH Registration number 01-2119531540-51

EINECS	CAS No	Classification according to Regulation (EC) 1272:2008	Percent
245-400-7	39290-78-3	H290: Met Corr.1; H318 Eye Dam.1	10

Section 4: First Aid Measures

4.1: Description of First Aid measures

Skin Contact: Remove affected person from source of exposure. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing

Eye Contact: Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Ingestion: Never make an unconscious person vomit or drink fluids. Rinse mouth thoroughly. Get medical attention immediately

Inhalation: Remove victim from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention

4.2: Most important symptoms and effects both accute and delayed

Skin Contact: May cause serious chemical burns to the skin

Eye Contact: May cause serious eye damage

Ingestion: May cause burns in mucous membrane, throat, oesophagus and stomach

Inhalation: May cause burns to mucous membrane in nose, throat, lungs and bronchial system

4.3: Indication of any immediate medical treatment and special treatment required

No information available

Section 5: Fire fighting measures

5.1: Extinguishing media

Use fire extinguishing media appropriate for the surrounding materials.

Unsuitable Media

None known

5.2: Special hazards arising from the substance/mixture

May evolve corrosive gases/vapours/fumes of Hydrogen Chloride and Sulphurous gases in combustion or at high temperatures

5.3: Advice for firefighters

Wear acid resistant protective clothing and self contained breathing apparatus. Water spray should be used to cool containers

Section 6: Accidental Release Measures

6.1: Personal precautions, protective equipment and emergency procedures

Wear PPE as outlined in section 8

6.2: Environmental precautions

Avoid discharge into water courses or onto ground.

6.3: Methods and Materials for containment and clean up

Stop leak if possible without risk. Dam and absorb with sand, earth or other non combustible material. Shovel into dry containers and dispose of as special waste. Flush area with water

6.4: References to other sections

Section 7.0: Handling and Storage

7.1: Precautions for safe handling

Wear full protective clothing for prolonged exposure and or high concentrations. Eye wash facilities and emergency shower must be available when handling this producrt

7.2: Conditions for safe storage.

Use storage tank made of suitable plastic material or plastic lined steel drum.

7.4: Specific End Use(s)

Section 8: Exposurecontrols/PersonalProtection

8.1: Control Parameters

Soluble Aluminium Salts

8 Hour TWA: 2 mg/m3 **15MinSTEL:**

8.2: Exposure Controls

Engineering Measures	Provide adequate ventilation. Eye wash and emergency shower should be available.
Respiratory Protection	Respiratory protection required in case of aerosol formation
Hand Protection	PVC or rubber gloves.
Eye Protection	Goggles or face shield.
Skin Protection	Lightweight protective clothing, rubber or plastic apron

Section 9.0: Physical and ChemicalProperties

9.1: Information on basic physical and chemical properties

State:	Liquid
Colour:	Light or pale yellow
Odour:	Almost odourless
Specific Gravity:	1.2
pH:	0.5 - 1.0

9.2: Other Information

Section 10: Stability and Reactivity

10.1: Reactivity

In contact with metals generates hydrogen gas which can form explosive mixtures

10.2: Chemical Stability

Stable at ambient temperature

10.3: Possibility of Hazardous Reactions

10.4: Conditions to Avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with acids

10.5: Incompatible Materials

Avoid contact with chlorites, hypochlorites and sulfites. Incompatible with other aluminium salts and iron salts.

10.6: Hazardous Decomposition Products

Hydrogen Chloride may be evolved during fire or at high temepratures

Section 11: Toxicological Information

No data available

Section 12: Ecological Information

12.1: Toxicity

12.2: Persistence and Biodegradable

Hydrolyses when diluted in water forming AL(OH)3

12.3: Bioaccumulative Potential

The product is not bioaccumulating

12.4: Mobility in Soil

No data available

12.5: Results of PBT and vPvB Assessment

No data available

12.6: Other adverse effects

Product is acidic and will reduce the pH of water courses and drains, and cause damage to fauna and flora. It should not be allowed to enter controlled waters in large quantities - in such cases the National Rivers Authority should be contacted.

Section 13: Disposal Information

Dispose of in accordance with local and national regulations

Section 14: Transport Information

UN Number	UN3264
Shipping Name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (polyaluminium chloride)
Transport Class	8
Packing Group	II
Environment Hazard	No

Special Precautions	Emergency Action Code 2X		
Tunnel Code	E	Transport Category	2

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Section 15: Regulatory Information

15.1: Safety, Health and Environmental regulations/legislation specific for the substance/mixture

15.2: Chemical safety assessment

Section 16: Other information

The above information is based on our present knowledge of the product at the time of publication. It is given in good faith, no warranty is implied as to the quality or specification of the product. Information contained in this data does not constitute an assessment of workplace risks. The user must satisfy himself that the product is entirely suitable for their purpose