

Active Chemicals Australia

ABN 51 071 214 741
Water treatment & Specialty chemicals

MATERIAL SAFETY DATA SHEET

Product: PAC-PLUS

Company Details

Supplier: Active Chemicals Australia **Telephone No.:** (02) 9826 0201
Address: 4/20 Powdrill Road **Facsimile No.:** (02) 9826 0208
Prestons NSW 2170 **Email:** williamsay@optusnet.com.au

Emergency Telephone No.:
Business Hours: 9826 0201
After Hours: Police or Fire 000

IDENTIFICATION

U.N. Number: None allocated **Class:** None allocated
Hazchem: None allocated **Poisons Schedule:** None allocated
EPG: None allocated **Packaging Group:** None allocated

Classified as hazardous according to criteria of NOHSC

Ingredients

Chemical Entity	CAS No.	Proportion
Polyaluminium chloride	1327-41-9	20 - 50%
Sulphates	10043-01-3	< 15%
Water	7732-18-5	balance

Other Names

Aluminium hydroxy chlorosulphate
Polyaluminium chlorosulphate

Uses

Coagulant for water and waste water use.

Physical Description / Properties

Appearance:	Clear to pale yellow cloudy solution.		
Flash point:	N/A	Specific Gravity:	1.16 to 1.21
Boiling point (°C):	N/A	ph (5% solution)	2.5 to 3.5
Melting Point (°C):	N/A	Solubility in Water (g/L):	soluble
Volatiles:	67%		

Other Properties

Odour: characteristic

Doc Title:	MSDS PACPLUS	Doc ID:	QA1
Version:	2.1 CURRENT	Version Date:	15/4/08
Authorised by:	WS	Page:	1 of 5

Active Chemicals Australia

ABN 51 071 214 741

Water treatment & Specialty chemicals

Solubility: Soluble in ammonium salts

HEALTH HAZARD INFORMATION

Health Effects

Symptoms that may arise if the product is mishandled are:

Acute

Swallowed Ingestion may result in nausea.

Eye Irritating to eyes.

Skin Irritating to skin.

Inhaled Should not occur. However if heated may release chlorine which may cause respiratory irritation.

Chronic Effects

Repeated or prolonged skin contact may lead to irritant contact dermatitis.

As with any chemical - ingestion, inhalation, and prolonged or repeated skin contact should be avoided by good occupational work practice.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. If swallowed promote vomiting by usual means. Seek immediate medical assistance.

Eye Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

Skin Immediately wash contaminated skin with plenty of water and then wash with soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice.

Inhalation Remove victim from exposure - avoid becoming a casualty. Seek medical advice.

Poison Information Centres in each State capital city can provide additional assistance.

Active Chemicals Australia

ABN 51 071 214 741

Water treatment & Specialty chemicals

Advice to Doctor

Treat symptomatically.

PRECAUTIONS FOR USE

Exposure Standards (for atmospheric contaminants in the occupational environment)

No value assigned for this product by the NOHSC (Workcover). However, the exposure standard for the acid constituent is:

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Hydrochloric acid	5	7.5		

Engineering Controls

Maintain concentration below recommended exposure limit. Use in a well-ventilated area. Avoid generating and inhaling mists and aerosols. Keep containers closed when not in use. If risk of overexposure exists, wear SAA approved respirator to comply with Australian Standards, ensuring correct fit to obtain adequate protection.

Personal Protection

Eyes: The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate.

Skin: Rubber or PVC gloves, overalls or PVC suit, safety or rubber boots

Respiratory: If mist is generated the use of a chlorine vapour half facepiece respirator is recommended.

Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Always wash hands before smoking, eating, drinking or using the toilet.

Flammability

Not combustible material.

SAFE HANDLING INFORMATION

Doc Title: MSDS PACPLUS
Version: 2.1 CURRENT
Authorised by: WS

Doc ID: QA1
Version Date: 15/4/08
Page: 3 of 5

Active Chemicals Australia

ABN 51 071 214 741

Water treatment & Specialty chemicals

Storage and Transport

Not classified as a Dangerous Good for the purposes of transport.

Use only plastic (PE, PP, PVC) or fibreglass containers/vessels – corrosive to mild and stainless steels. Other tanks should be lined with chloride resistant materials. Pumps should also be lined with chloride resistant materials.

Spills

Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contamination including breathing apparatus.

Contain do not allow spill material to enter the environment. Contain material using inert absorbent material eg vermiculite. Place into suitable labelled containers and hold for waste disposal. Wash area down with excess water once removed.

Disposal

Refer to State and Land Management Authority and relevant Environmental Protection Authority.

Fire / Explosion Hazards

Conditions to avoid:

High temperature: Toxic fumes of hydrogen chloride may be released if involved in a fire. Fire fighters are to wear self contained breathing apparatus and full protective clothing due to chlorine gas risk.

Materials to avoid:

Strong alkalis.

Hazardous Decomposition Products:

May produce hydrogen chloride and /or corrosive gases

Extinguishing Media:

Fire fighters should wear full protective clothing including self-contained breathing apparatus. In case of fire use water, foam, carbon dioxide, dry powder.

OTHER INFORMATION

Toxicity

Toxicology:

No data

Doc Title: MSDS PACPLUS
Version: 2.1 CURRENT
Authorised by: WS

Doc ID: QA1
Version Date: 15/4/08
Page: 4 of 5

Active Chemicals Australia

ABN 51 071 214 741

Water treatment & Specialty chemicals

Risk Statement:

R36/38 Irritating to eyes and skin.

Safety Statement:

R36/37/38 Irritating to eyes, respiratory system and skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and Seek medical advice.

S28 After contact with skin wash with plenty of soap and water.

Hazard Category: X1

Harmful, Irritant

Company Disclaimer

All information contained in this data sheet is as accurate and up-to-date as possible. Since Aquapac Pty Ltd cannot anticipate or control the conditions under which this information may be used, each user should review the information in the specific context of the intended application.

Aquapac Pty Ltd will not be responsible for damages of any nature resulting from the use or reliance upon the information. No expressed or implied warranties are given other than those implied mandatorily by Commonwealth, State or Territory legislation.