



HARDMAN CHEMICALS
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PRODUCT SPECIFICATION SHEET

Product: PAC-SP

Specification code: PACSP1.2.1001

Description: concentrated solution of medium to high basicity aluminium hydroxychloride

Synonyms: medium to high basicity aluminium chloride, medium to high basicity polyaluminium chloride

Hardman Stock Code: PACSPn ("n" is a container code).

PROPERTY	SPECIFICATION	TYPICAL ANALYSIS
Total aluminium as alumina (Al ₂ O ₃)	180 (± 4) g/kg (18.0 (±0.4) % w/w)	180 g/kg
Chloride (Cl ⁻)	125 (±4) g/kg (12.5 (±0.4) % w/w)	125 g/kg
Iron	150 mg/kg (ppm) maximum	70 mg/kg
Specific gravity (SG) at 25°C (SG of water = 1.000 at 15°C)	1.28 to 1.32	1.30

Typical trace metal limits in PAC-SP			
Antimony	< 0.2 mg/kg	Manganese	< 2 mg/kg
Arsenic	< 0.2 mg/kg	Mercury	< 0.02 mg/kg
Beryllium	< 0.2 mg/kg	Nickel	< 2 mg/kg
Cadmium	< 0.1 mg/kg	Selenium	< 0.2 mg/kg
Chromium	< 2 mg/kg	Thallium	< 0.2 mg/kg
Copper	< 1 mg/kg	Zinc	1 mg/kg
Lead	< 0.2 mg/kg		

PACKAGING

Australia: 200L high density polyethylene drums, 250 kg net; bulk.

PROPERTIES

PAC-SP is an aqueous solution of a medium to high basicity aluminium hydroxychloride. It is completely miscible in water and is readily metered and pumped owing to its low viscosity. Trace metal concentrations are extremely low.

APPLICATIONS

PAC-SP is used mainly as a coagulant in the treatment of water, wastewater and sewage. It is suitable for use in potable water and also has some more specialised applications such as phosphate removal.

HAZARD DATA

PAC-SP is classified as hazardous according to the criteria of Worksafe Australia. It is mildly corrosive to some metals and as a result it carries a Dangerous Goods classification, Class 8, UN 1760 NOS.

Hardman will supply the latest Material Safety Data Sheet for this product on request.