MSDS OF POLY – ALUMINIUM CHLORIDE (PAC)

MATERIAL SAFETY DATA SHEETS OF POLY ALUMINIUM CHLORIDE (PAC)

IDENTIFICATION
TRADE NAME : Poly Aluminum chloride
OTHER NAMES : PAC Solid; Poly Aluminum Chloride Solid
USES : Water treatment chemical.

PHYSICAL DESCRIPTION / PROPERTIES
Appearance, odour : Pale yellow, hydroscopic powder.
Melting Point : Not Available
Boiling Point : Not Available
Bulk Density : 0.65 g/cm³
Vapour density (air = 1) : Not Available
Vapour pressure (20 degreee C) : Not Available
Flash POINT (Closed cup) : Not Available
Autoignition Temp (degree C) : Not Available
PH (1% Solution w/v) : 3.2 – 5.0
Solubility in water (g/L) : Soluble

INGREDIENTS
Chemical Name CAS Number Proportion
Poly Aluminum Chloride 1327-41-9 > 99%

HEALTH HAZARD INFORMATION
HEALTH EFFECTS
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

ACUTE EFFECTS –
SWALLOWED : May cause nausea, vomiting and respiratory irritation.
EYE : May cause eye irritation.
SKIN : May cause irritation with prolonged contact.
INHALD : May irritate the mucous membranes.
CHRONIC EFFECTS: NO KNOWN EFFECTS.

FIRST AID
SWALLOWED : Give water to drink. Do not induce vomiting. Seek immediate medical attention.
EYE : Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
SKIN : Wash with soap & water. Remove contaminated clothing. Launder clothes before reuse. If irritation persists seek medical advice.
INHALED: Remove to fresh air. Seek medical attention if irritation persists.
ADVICE TO DOCTOR
Treat symptomatically.

TOXICITY
No information available

PRECAUTIONS FOR USE
EXPOSURE STANDARDS
No value assigned c for this specific material by the national Occupational Health & safety Commission (Work safe Australia).

ENGINEERING CONTROLS
Use in a well-ventilated area. Local exhaust ventilation is recommended.

PERSONAL PROTECTION
Avoid skin and eye contact and inhalation of dust. Wear overalls, eye protection & gloves.

Respiration protection is required in dusty environment. Use an approved dust mask. Use with Adequate ventilation. Always wash hands before smoking, eating, drinking or using the toilet.

FLAMMABILITY
Not flammable

SAFE HANDLING INFORMATION
SAFE AND TRANSPORT
Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Store in cool place out of direct sunlight. Store in well ventilated area. Store away from oxidizing agents and foodstuffs. Prevents severe overheating may produce hydrogen chloride gas.

SPILLS
Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Sweep up but avoid generating dust. Collect and place in properly labeled containers for disposal. Residues may be flushed to drain with large amounts of water if permitted.

DISPOSAL
Refer to State Land Waste management Authority.

FIRE/EXPLOSION HAZARDS
Material is non flammable. on burning will emit fumes. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

EXTINGUISHING MEDIA: Water spray, foam, dry agent (carbon dioxide, dry chemical powder).