



MATERIAL SAFETY DATA SHEET

POLY ALUMINIUM CHLORIDE

1, Product And Company Identification

Par number/Trade Name: POLY ALUMINIUM CHLORIDE 30% MIN

◆ General Information

COMPANY NAME: ARROW CHEMICAL GROUP CORP.

ADDRESS: 5F, INTER ROYAL MANSION, NO.15 DONGHAI WEST ROAD, QINGDAO, CHINA

POSTCODE: 266071

2, Composition/ Information on Ingredients

TRADE NAME : Poly Aluminium Chloride

OTHER NAMES : PAC Solid; Poly Aluminium Chloride Solid

U.N. NO. : None Allocated

DG CLASS : None Allocated.

SUB RISK : None Allocated

HAZCHEM : None Allocated

POISON SCHEDULE : None Allocated

USES : Water treatment chemical.

3, PHYSICAL DESCRIPTION/ PROPERTIES

Appearance, odour : Pale, White, hygroscopic powder.

Melting Point : Not Available

Boiling Point : Not Available

Bulk Density : 0.65 g/cm³

Vapour Density (air=1) : Not Available

Vapour Pressure (20°C) : Not Available

Flash Point (Closed cup) : Not Available

Flammability Limits (%) : Not Available

Autoignition Temp (°C) : Not Available

pH (1% Solution w/v) : 3.5 - 5.0

Solubility in water (g/L) : Soluble



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4, INGREDIENTS

Chemical Name CAS Number Proportion

Poly Aluminium Chloride 1327-41-9 >99%

5, 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.

INHALED: 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.

6, TOXICITY INFORMATION

No information available

PRECAUTIONS FOR USE

EXPOSURE STANDARDS

No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia).

7, 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. Respiratory



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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

8, SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Store in a cool place out of direct sunlight. Store in well ventilated area. Store away from oxidizing agents and foodstuffs. Prevent severe overheating as 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 labelled containers for disposal. Residues may be flushed to drain with large amounts of water if permitted.

9, DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority.

10, 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).

ENVIRONMENTAL IMPACT

No known effects.

11, Stability and Reactivity Data

Stability: stable

Hazardous Polymerization: will not occur

Stability: Yes

Cond To Avoid (Stability): Moisture

Materials To Avoid: Most common Metals, Water, Aluminum

Hazardous Decomp Products: Hydrogen Chloride

Hazardous Poly Occur: No



12, Toxicological Information:

No Data Available.....

13, Ecological Information

No Data Available.....

14, Transport Information

No data Available

15, OTHER INFORMATION AND REFERENCES

PRINCIPAL REFERENCES

This chemical is listed on the Australian Inventory of Chemical Substances (AICS).

16, Control Measures

Respiratory Protection: None required where adequate ventilation conditions exist, if airborne concentration is high, use an appropriate respirator/dust mask.

Ventilation: Use adequate general/local exhaust to keep fume/dust levels as low as possible.

Protective Gloves: Rubber

Eye Protection: Safety Goggles

Other Protective Equipment: Protective clothing, Laboratory aprons.

Disclaimer

This MSDS has been prepared from current technical data and summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request