

TECHNICAL DATA SHEET (TDS)

Poly Aluminum Chloride (PAC) – Y30

GENERAL INFORMATION

PURICALS PAC-Y30 is a high-purity polymerized aluminum chloride coagulant for water and wastewater treatment applications. It excels in neutralizing colloidal charges, leading to the formation of dense flocs that enhance slurry drainage through sedimentation or flotation. The products of this company are produced by skilled experts with up-to-date technology, so that the quality fulfills the European standard “Chemicals used for treatment of water intended for human consumption” EN 17034:2018 • NSF/ANSI 60: Drinking Water Treatment Chemicals – Health Effects

Key Benefits

- ✓ Ensures water quality with high purity water.
- ✓ Demonstrates excellent coagulation, flotation, and sedimentation for efficient treatment.
- ✓ Effectively removes phosphorus to enhance water quality.
- ✓ Offers environmental benefits by minimizing chemical sludge and reducing transportation costs.

Applications

- Drinking water
- Industrial water treatment
- Wastewater treatment
- Pulp & Paper industry

Product Specifications

Item	Results
Appearance	Fine yellow powder
Al ₂ O ₃ wt%	28-32
Basicity wt%	Min. 64
Insoluble matter wt%	Max. 1.5
pH (5% water solution)	2.5-4.5
Cl ⁻ (mg/kg)	Max. 31
As (mg/kg)	Max. 15
Mn (mg/kg)	Max. 300
Cr ⁶⁺ (mg/kg)	Max. 45
Hg (mg/kg)	Max. 0.6
Pb (mg/kg)	Max. 90
Cd (mg/kg)	Max. 18

PRODUCT SAFETY INFORMATION

- Keep containers tightly closed and avoid direct contact with skin, eyes, and clothing. - Do not inhale or ingest dust, vapors, or mist; ensure proper ventilation. - Avoid eating, drinking, or smoking while handling the product. - In case of skin or eye contact, rinse immediately with plenty of water and seek medical attention. - Store in a cool, dry, and well-ventilated area, away from incompatible substances. - Use protective equipment, including acid-resistant gloves and safety goggles. - Contain and neutralize spills, preventing environmental contamination.		DOT CODE UN 1759	GHS CODE Corrosive to Metals Cat 1 Acute Toxicity, Oral Cat 4 Skin Corrosion/Irritation Cat 2 Serious Eye Damage/Eye Irritation Cat 1 Specific Target Organ Toxicity, Single Exposure Cat 2 (systemic). Hazardous to the Aquatic Environment, Acute Hazard Cat 2 Hazardous to the Aquatic Environment, Long-terms Hazard Cat 2	- HMIS CODE								
Hand protection:	Wear chemical-resistant gloves (nitrile, PVC, or neoprene) to prevent skin contact. Replace if damaged or worn.			<table><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>P</td></tr></table>	HEALTH	2	FLAMMABILITY	0	REACTIVITY	1	PERSONAL PROTECTION	P
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Eye protection:	Wear chemical-resistant gloves (nitrile, PVC, or neoprene) to prevent skin contact. Replace if damaged or worn.											
Respiratory protection:	Use a respirator with an acid gas cartridge or a full-face air-purifying respirator if exposure limits are exceeded or when adequate ventilation is not available. Ensure proper fit to prevent inhalation of harmful vapors or mists.											



STORAGE INFORMATION

Prior to the initial filling with **PURICALS PAC-Y30**, storage tanks and systems must be clean, dry, and securely sealed. Routine yearly inspections are recommended, with cleaning as necessary. The shelf-life is at least one year when stored under optimal conditions. This product Should be stored in original containers in cool and dry place, away from sources of heat and humidity, flame and direct sunlight.

DELIVERY

Packed in tow-layer bags, inner layer plastics bags and outer layer polypropylene woven bags, with each bag containing 25kgs.

NOTE

Refer to the Safety Data Sheet (SDS) for further health, safety and environmental information regarding this product. Information and recommendations in this technical data sheet are based on information believed to be reliable. However, the use of the product is beyond our control, and no guarantee expressed or implied is made as to the effects of such the results to be obtained id not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage, resulting from misuse of the product as such, or combination with other materials.

