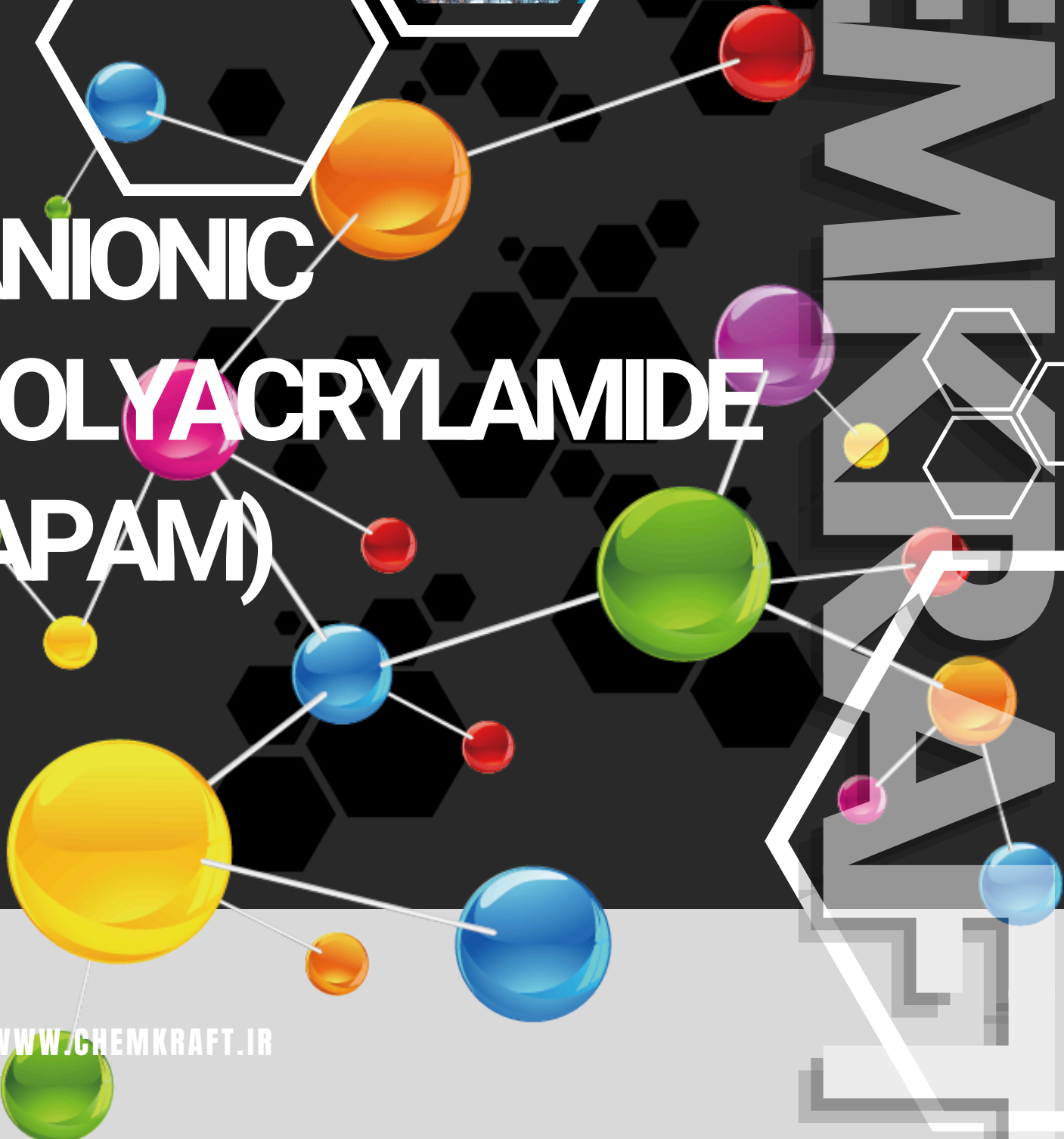




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# ANIONIC POLYACRYLAMIDE (APAM)



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# ABOUT US

Established in 2017, Kraft Chem Georgia LLC has rapidly emerged as a leading player in the chemicals, petrochemicals, and oil products industry. Strategically headquartered in Tbilisi, Georgia, we serve as a vital hub for expansive operations across the CIS region, the Middle East, and Europe. Our commitment to excellence, coupled with a robust network, has positioned us as a trusted and reputable entity in the market.

Kraft Chem Georgia LLC prides itself on delivering high-quality products and exceptional service. Our broad product portfolio includes industrial chemicals, petrochemicals, and oil products, all sourced from reputable manufacturers to ensure superior quality and reliability. We cater to a diverse range of industries, including manufacturing, pharmaceuticals, agriculture, and more.

Our operations are characterized by our extensive expertise in both import and export activities, facilitated by our deep understanding of international trade regulations and logistics. This expertise allows us to provide smooth and efficient transactions, ensuring that our clients receive their products on time and in perfect condition.

Our experienced staff forms the backbone of our operations. Comprised of seasoned professionals with deep industry knowledge, our team is dedicated to providing tailored solutions that meet the specific needs of our clients. This commitment to customer satisfaction ensures that we build long-term relationships based on trust and reliability.

Our regional network spans numerous countries in the CIS, the Middle East, and Europe, allowing us to offer localized solutions while maintaining global standards. This extensive reach enables us to respond quickly to market demands and provide our clients with the best possible service.

Kraft Chem Georgia LLC is also deeply committed to quality and sustainability. We adhere to stringent quality control measures at every stage of our operations, ensuring that our products meet international standards and specifications. Additionally, we conduct our business in an environmentally responsible manner, minimizing our environmental impact and promoting sustainable development in the regions we operate.

Our customer-centric approach sets us apart in the industry. We understand that each client has unique requirements, and our team works closely with customers to provide bespoke solutions that address their specific challenges and goals. From inquiry to delivery, our customer support team ensures a seamless experience, prioritizing long-term relationships built on trust and reliability.



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# ANIONIC POLYACRYLAMIDE (APAM)

Anionic Polyacrylamide (APAM) - Powder

Anionic Polyacrylamide (APAM) is a high-performance polymer primarily used as a flocculant and thickener in various industrial processes. Its superior water solubility, high molecular weight, and effective binding properties make it a versatile solution for industries ranging from wastewater treatment to paper manufacturing.

## Chemical Composition and Formula

Anionic polyacrylamide is a copolymer of acrylamide and acrylic acid (or its salts), represented by the formula:



Where:

- mmm and nnn represent the ratio of acrylamide to acrylic acid monomers.
- The anionic nature is due to the presence of carboxylate groups (-COO<sup>-</sup>), which provide the polymer with its strong adsorption and flocculating capabilities.

## Applications

### 1. Wastewater Treatment:

- Used to flocculate suspended particles and remove impurities from industrial and municipal wastewater.
- Ideal for applications in mining, oil drilling, and chemical plants where efficient sedimentation is critical.

### 2. Paper Manufacturing:

- Acts as a retention agent, enhancing the strength and drainage of paper fibers.

### 3. Oil and Gas Industry:

- Employed as a viscosity modifier and friction reducer during enhanced oil recovery (EOR) and drilling processes.

### 4. Agriculture:

- Reduces soil erosion and increases water retention when applied to soil.

## Key Properties

- Molecular Weight: Typically ranges between 5-20 million.
- Charge Density: Adjustable to suit specific industrial requirements.
- Solubility: Rapidly dissolves in water to form a clear solution.

# PACKAGING, STORAGE AND HANDLING

## Packaging and Storage

- Packaging:
- The solid product is packed in kraft paper bags with an inner plastic liner, each weighing 25 kg, or as per customers' requirements.
- Shelf Life:
- The shelf life of APAM is 2 years under proper storage conditions.
- Transportation:
- Follows non-dangerous goods transportation regulations.
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## Usage Instructions

1. Dissolve the required amount of APAM in water (typically at 0.1%-0.5% concentration).
2. Mix until the solution is homogeneous.
3. Apply to the system as needed, ensuring optimal conditions for flocculation or thickening.

## Safety Guidelines

- Avoid contact with eyes and skin.
- Store in a cool, dry place away from direct sunlight and moisture.

For further information or customized solutions, please contact our team.

# CONTACT US:



- For more information about our products and services, please visit our website or contact us directly. We look forward to collaborating with you and contributing to your success.

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