Technical Data Sheet (TDS)

ASA-P 760

Chemical Product

Product Name: **ASA-P 760**

Use: **Cationic Flocculant**

Introduction

The ASA-P 760 as Cationic flocculant is high molecular weight, water-soluble polymer that carry positively charged functional group. It is primarily used in water and wastewater treatment processes to destabilize and aggregate negatively charged colloidal particles, facilitating their removal through sedimentation, flotation, or filtration.

Advantages:

- Strong electrostatic interaction with suspended solids, especially those containing clays, organic matter, or anionic surfactants.
- Highly effective in sludge dewatering applications by enhancing cake solid content and reducing disposal volume.
- Ideal for wastewater streams with high turbidity or containing emulsified oils and fats.
- Compatible with a wide range of pH levels (typically pH 4–9), making them suitable for diverse industrial effluents.
- Available in various forms: dry powder, liquid emulsion, or inverse emulsion to meet process requirements.
- Can be used in primary clarification, secondary effluent polishing, and in conjunction with inorganic coagulants (e.g., alum, ferric chloride) for optimized performance.
- Improve settling rates and floc strength, which enhances clarification efficiency and reduces chemical consumption downstream.

Dosages:

ASA-P 760 should be diluted with clean water (typically 0.1–0.5%) and injected continuously using a dosing pump. The optimal dosage ranges from 1 to 10 ppm, depending on the application and water characteristics.

Typical Properties

Appearance	**:**	**Solid, white powder**
Density	**:**	**750-850**
Charge	**:**	**High**
pH (1%)	**:**	**4.0-6.0**

PACKAGING

ASA-P 760 is supplied in Triple-layer laminated bag of 25 kg capacity.

Storage

Keep cool, dry ventilated storage and clean containers.

Shelf Life

Two years in closed drums stored under cover and protected from extremes of temperature.

Performance monitoring

The performance of ASA-P 760 is evaluated based on the volume of settled particles as well as the settling rate

Address: Unit 1 South ,No 358, North Mofateh Ave, Tehran, Iran.

Tel: (+98)21 88 75 08 68 **URL: www.ASAChem.ir** **E-Mail: info@ASAChem.ir**