



Since 2005

Water Treatment Chemicals Data Sheets

3 CHEMSUM grades. High-performance water treatment chemicals for purification, coagulation, and scale control—ensuring clean, efficient, and sustainable water systems.

CHEMSUM supplies the wet-end and surface chemistry a paper mill runs on - AKD and rosin sizing, basic and direct dyes, dry and wet strength resins, retention and drainage aids, oil-proof barriers and water treatment polymers.

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Figures that the company has not published — cumulative export tonnage, number of export countries, satisfaction rate and certificate numbers — are deliberately omitted from this document. Ask the technical desk for current documentation.

Water Treatment Chemicals

The problem. Closed water loops concentrate whatever you do not remove. Colour, suspended solids and anionic trash build up until they show in the sheet.

The range. PolyDADMAC and polyamine coagulants for suspended solids and colour removal, DADMAC 65% monomer for mills and formulators who polymerise in-house, and defoamers for white water and coating systems.

DADMAC 65%

DADMAC 65% – High-Purity Cationic Monomer for Paper Chemical Synthesis

DADMAC (Diallyldimethylammonium Chloride) 65% is a high-purity, quaternary ammonium salt monomer widely used in the production of cationic polymers for the papermaking industry. It serves as a key raw material for synthesizing PolyDADMAC, cationic coagulants, and retention aids, offering strong cationic charge density and excellent reactivity.

With stable concentration, low impurity content, and superior polymerization activity, DADMAC 65% ensures consistent product performance and high efficiency in downstream polymer production. It also provides good water solubility and chemical stability, making it suitable for continuous and batch polymerization systems.



Key features and advantages

- High purity and stable 65% concentration
- Strong cationic charge density for effective polymerization
- Low residual impurity and excellent storage stability
- Excellent water solubility and easy handling
- Ensures consistent polymer quality and performance

Applications

- Raw material for PolyDADMAC and other cationic polymers
- Used in retention aids, coagulants, and fixatives for papermaking
- Suitable for water treatment chemicals, textile auxiliaries, and oilfield polymers

Packing. Liquid grades ship in IBC totes carrying net weight, gross weight, lot number, production date and expiry date on the label. Exact pack sizes and drum options are confirmed on quotation.

Defoamer

Defoamer – Efficient Foam Control for Stable and Clean Papermaking

Defoamer is a specially formulated chemical designed to eliminate and prevent foam in various stages of the papermaking process. Excess foam can cause sheet defects, reduce drainage efficiency, and affect paper quality. Our defoamers provide rapid foam suppression, long-lasting performance, and excellent system compatibility, ensuring smooth operation and stable paper formation.

Formulated with advanced surfactants and dispersing agents, the product is available in silicone-based, polyether-based, and fatty alcohol-based types, suitable for different pulp systems and process conditions. It performs effectively under both high temperature and high shear environments.



Key features and advantages

- Fast and long-lasting foam control
- Excellent dispersibility and system compatibility
- Reduces surface defects and improves drainage efficiency
- Stable performance under high temperature and pH conditions
- Suitable for use in stock preparation, white water, and coating systems

Applications

- Pulping and stock preparation
- Paper machine wet end and white water circulation
- Coating color and wastewater treatment systems

Packing. Liquid grades ship in IBC totes carrying net weight, gross weight, lot number, production date and expiry date on the label. Exact pack sizes and drum options are confirmed on quotation.

PolyDADMAC

PolyDADMAC – High-Performance Cationic Polymer for Papermaking

PolyDADMAC is a highly cationic polymer widely used in the papermaking industry to improve retention, drainage, and water treatment efficiency. It effectively binds anionic fines, fillers, and dyes to fibers, enhancing paper uniformity, strength, and overall machine performance.

Our PolyDADMAC offers high charge density, excellent solubility, and stable performance across a range of papermaking systems. It is compatible with various pulps and wet-end additives, providing reliable results in high-speed paper production and wastewater treatment applications.



Key features and advantages

- Enhances retention of fines, fillers, and pigments
- Improves drainage and sheet formation
- Boosts wet-strength and paper uniformity
- High solubility and stable performance under different conditions
- Compatible with multiple papermaking systems and chemical additives

Applications

- Retention and drainage aids in printing, writing, and packaging papers
- Wet-end additive for improved paper formation and strength
- Wastewater treatment to remove suspended solids and color
- Suitable for continuous and batch papermaking processes

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