TECHNICAL DATA SHEET

Cationic Polyacrylamide

Principal Uses

Cationic Polyacrylamide has found application in:

- Municipal wastewater treatment
- Some industrial wastewater treatment
- Papermaking agent

Typical Properties

Property	Value
Physical Form	Off-white granular powder
Particle Size	98% < 850 µm
Molecular Weight	6 – 8 million
Degree of Ion	50
pH of 1% Solution at 25°C	7.0
Viscosity at 25°C	See solution viscosity data

Solution Viscosity in Distilled Water

Concentration	Viscosity (mpa.s)
1.0 g/L	170
2.5 g/L	380
5.0 g/L	800

Application & Storage

Recommended Solution Concentrations

- **Stock Solution:** 0.2 – 0.5%
- **Feed Solution:** 0.05 – 0.1%

Shelf Life

- Product: **2 years**
- Stock Solution: **1 – 2 days**

Storage

Store polymer in a **cool and dry place**.

Details on preparation and application can be obtained from a **Cationic Polyacrylamide representative**.

Shipping & Handling

Cationic Polyacrylamide is supplied in **25 kg plastic bags** shrink-wrapped onto a pallet suitable for export shipment.

The product can also be supplied via **intermediate big bags** or **bulk tanker**.

Specific details of bag and tanker sizes can be obtained on request.

Corrosivity

Corrosivity towards most standard materials of construction is low, but **aluminium** and **galvanised equipment** should be avoided.

Technical Service

Advice and assistance in the running of laboratory and plant tests to select the correct product and determine the best application can be provided by representatives of **Cationic Polyacrylamide**, who are experienced in **Cationic Polyacrylamide** application.

Health & Safety

Cationic Polyacrylamide has a **low order of oral toxicity** and does not present any abnormal handling problems.

Note

The data contained in this publication are based on our current knowledge and experience.
In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.
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