Zetag™ Cationic Powder Range Flocculants

Description
High molecular weight polyacrylamide-based flocculants, which exhibit varying degrees of cationic charge. They are supplied as free flowing powders.

Chemical Structure
Co-polymers of acrylamide and quaternised cationic monomer.

Product	Cationic charge	Molecular weight
Zetag 8110	very low	very high
Zetag 8125	low	high
Zetag 8140	medium	high
Zetag 8160	medium-high	high
Zetag 8165	medium-high	very high
Zetag 8180	high	high
Zetag 8185	high	very high
Zetag 8190	very high	high

Principal Use
Flocculants for conditioning a variety of municipal and industrial substrates prior to mechanical or static solid/liquid separation.

These products are not suitable for use in potable water applications. If in any doubt regarding suitability for a given application, please contact your local sales representative.

Benefits
Highly effective across a wide range of applications (e. g. mechanical dewatering and thickening, flotation and clarification). Operation over a wide pH range (2 – 11).

Storage
The shelf life of the product is min. 48 months from date of manufacturing if it is stored in its sealed original packaging within a temperature range of 5 – 25 °C in a dry place.

It is recommended that stock solutions at 0.25 – 0.5% are prepared regularly and for maximum effect such solutions should be used within 5 days.

Beyond this period some loss in efficiency of the product may occur.

Shipping & Handling
Effects of low temperature on dissolution – at low water temperatures, < 5 °C, the dissolution of this product will be adversely affected to the extent that longer dissolution times will be required.

As with all cationic polyelectrolytes the product exhibits toxicity towards fish. It is important that precautions are taken where the product may come into direct contact with fresh water courses, streams and rivers.

Corrosion towards most standard materials of construction is very low. Stainless steel, fibreglass, polyethylene, polypropylene and rubberised surfaces are recommended. In some cases, aluminium surfaces can be adversely affected.

Very slippery when wet. Please refer to the SDS for methods of removing the polymer.

Technical Service
Local sales representatives and field service technicians are available to give advice and assistance in the running of laboratory tests and machine trials to select the correct product and determine the best application conditions.

Packaging
This product is available in a variety of packaging sizes. Your Solenis representative will recommend the appropriate packaging for the application.

Important Information
Typical Properties: Refer to the Safety Data Sheet (SDS).

Regulatory Information: Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Solenis maintains an SDS for all of its products. Use the health and safety information contained in the SDS to develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Solenis products in your facilities.

All statements, information and data presented herein are believed to be accurate and reliable, but are not to be taken as a guarantee, an express warranty, or an implied warranty of merchantability or fitness for a particular purpose, or representation, express or implied, for which Solenis and its subsidiaries assume legal responsibility. ™Trademark, Solenis or its subsidiaries, protected in various countries. *Trademark owned by a third party. © 2019, Solenis.