BASF
The Chemical Company

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Zetag® 8165

Solid Grade Cationic Polyelectrolyte

Chemical Nature

Copolymer of acrylamide and quaternized cationic monomer

Application Areas

Polyelectrolyte for the conditioning of a variety of municipal and industrial substrates prior to mechanical or static solid/liquid separation.

This product is not compliant for use in potable water applications.

Benefits

Highly effective across a wide range of applications including mechanical dewatering, thickening, flotation, and clarification. Operation over a wide pH range (4-9).

Typical Properties

Product type:	Powder
Physical form:	Off-white granular solid
Cationic charge:	Medium-high
Molecular weight:	Very high
Specific gravity:	0.75
Bulk density:	46.8 lb/ft^3
Ph 1% solution:	4-6

Apparent Viscosity/(cP) @ 25 °C			
Concentration	0.25%	0.50%	1.0%
Viscosity	650	1,200	3,000

Storage

Under normal storage conditions within the temperature range 5 – 25 °C (41-77 °F) this product will be stable for at least 24 months. Storage outside the above specified temperature range for long periods may adversely affect the product over a long period and should thus be avoided, if possible.

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.

Packaging

25 kg Polybag
700 kg Small Tay Bag
907 kg Large Tay Bag

Shipping and Handling

As with all cationic polyelectrolyte polymers this 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, fiberglass, polyethylene, polypropylene and epoxy coated surfaces are recommended. In some cases aluminum surfaces can be adversely affected.

Spilled product is slippery underfoot, very slippery when wet. Information on the shipping and handling of this product can be found in the relevant MSDS. Disposal of product must comply with all national, state and local laws.

Health and Safety

Detailed information on this product can be found in the relevant Material Safety Data Sheet (MSDS).

Technical Service

BASF 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.

Note

The data contained in this publication is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, this data does not relieve processors from carrying out their own investigations and tests; neither does this data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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Water Solutions

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