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# Zetag<sup>®</sup> 8819

## Liquid 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 approved 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:	Inverse emulsion
Physical form:	Cloudy to opaque white liquid
Active content:	40%
Cationic charge:	Very high
Molecular weight:	Very high
Specific gravity:	1.03
Bulk density:	8.60 lb/gal
Ph 1% solution:	4-6

Apparent Viscosity/(cP) @ 25 °C			
Concentration	0.25%	0.50%	1.0%
Viscosity	300	500	900

### Storage

Under normal, dry storage conditions within the temperature range 5 – 25 °C (41-77 °F) this product will be stable for at least 6 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**

20 kg Pail  
200 kg Drum  
1,000 kg Tote  
~18,000 kg Bulk

**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. Ethylene propylene rubber (EPDM), natural rubber, polyurethane, and PVC should all be avoided when handling neat product.

Spilled product is slippery underfoot, very slippery when wet. Product should be protected from frost and stirred before use and if separation occurs. 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.

February 2013

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**Water Solutions**

