



PYM-PDS-EMEA-Zetag 9219-R1

## Zetag™ 9219 Flocculant

### Product Description

Polyacrylamide-based flocculant with linear structure, ultra high cationic charge and very high molecular weight. It is supplied as free flowing liquid in inverse emulsion form that exhibits good shear stability and low foaming properties during application.

### Benefits

The product is highly effective across a wide range of applications (e.g. mechanical thickening and dewatering, flotation and clarification). Operation covers a wide pH range (4-9) with good shear stability and low foaming properties.

### Product dosage and Control

The product needs to be prepared into solution prior to use.

Your Solenis representative is available to give advice and assistance in running laboratory and plant trials to determine the best application conditions and optimum dosage levels for smooth and efficient plant operation.

### Product Application

Zetag 9219 is used for conditioning a variety of municipal and industrial substrates prior to mechanical or static solid/ liquid separation.

The product is not suitable for use in potable water applications. If in doubt regarding suitability for a given application, please contact your Solenis Representative.

### Handling Precautions

Product shelf life is 12 months based on date of manufacturing if it is stored in its original packaging.

It is strongly recommended storage temperature range is between 5-35°C.

The storage temperature should not exceed 40°C for prolonged periods.

Avoid extreme temperatures especially frost and freezing conditions.

Do not expose IBC container to direct sunlight.

Do not store product in outdoor tanks without indirect temperature control.

Gently stir or recirculate product in bulk storage tank once per week for 1-hour NOTE – Never stir or recirculate product in bulk storage tanks continually.

Keep IBC container tightly closed in a dry, cool and well-ventilated place. NOTE – Packages should be kept sealed when not used.

Avoid contact with water prior to make-up;

Apply low shear if product is to be filtered before use (>0.75mm)

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.

Spilled product is slippery, especially when wet.

After prolonged storage, especially at high temperatures, the product has a tendency to separate into layers. Gentle agitation is needed to reverse the layering.

Use low shear pumps for product transfer (progressive, cavity or peristaltic pumps). If diaphragm pumps are used, maximize the stroke volume and minimize the stroke frequency, especially at low temperature. Avoid pumping the product through pipework < 10mm in diameter.

Apply high shear during make-up to ensure effective dissolution of the product in water. NOTE - Add the product to the water, not the other way around. Ensure make-up water temperature is below 25°C.

Water hardness impacts product solubility. Make-up water should be as soft as is practically possible to ensure effective dissolution.

For product disposal please refer to the Safety Data Sheet (SDS). Please refer to the Safety Data Sheet (SDS) for shipping and handling information.

Corrosion towards most standard materials of construction is very low.

Stainless steel, fiberglass, polyethylene (HDPE), polypropylene (PP) and rubberized surfaces are recommended. In some cases, aluminium surfaces can be adversely affected.

For rigid plastic pipework that comes into direct contact with neat product Acrylonitrile Butadiene Styrene (ABS) materials should be used.

The following materials should be avoided especially for gaskets and sealings when handling the product: Ethylene Propylene Rubber (EPDM), Natural Rubber, Polyurethane (PU) and Polyvinylchloride

Use correct materials for stators in progressive cavity type pumps (i.e., nitrile rubber or Hypalon)

Before use review the Safety Data Sheet for additional information.

### **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.