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## RETOSTAN B

### TECHNICAL DATA SHEET TL 248/2001

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#### Product characteristics

**RETOSTAN B** is an aqueous solution of condensing product of epichlorhydrine and polyaminoamide of organic acids.

#### Use

**RETOSTAN B** is flocculant and retentive agent which is used in paper-mills industry and in sewage treatment plants.

#### Product features

**RETOSTAN B** is yellow up to yellow-brown mid-viscous liquid of a cationic character. The solutions of **RETOSTAN B** are prepared as mixture of this agent with cold or cool water. These solutions mustn't be boiled.

**RETOSTAN B** must comply with these quality signs:

Quality sign	Value	Methodology of setting
Dry matter content (%)	27 up to 33	PN-ZM 248/2001
Viscosity at 20 °C	250 up to 700	PN-ZM 248/2001

#### Product manufacturing

##### **1. Paper industry**

*1.1. Increase the retention of fillers and soft filamentous parts:*

ration 0,1 - 0,2 % of this agent on the weight of fibrous component of pulp suspension, optimal pH 4,5 up to 5,5.

*1.2. Accelerating of dewatering on the nettings (specially by the waste paper):*

ration 0,1 - 0,4 % of this agent on the weight of fibrous component of paper pulp, optimal pH 4,5 - 5,0.

*1.3. Cleaning of sewage waters:*

2 to 5 g/m<sup>3</sup> of water. By this application the dewatering of sediment on the thickeners is sped.

*1.4. Increase of higher wet strength of paper:*

together with the solutions of starch, manogalactan and others in amount within 1 to 5 % of this agent on the weight of fibrous component of paper pulp, optimal pH 7,0 - 7,5. The temperature of drying is 105 °C minimally.

*1.5. Increase the retention and dewatering:*

**RETOSTAN B** is dosed highly diluted shortly before the stock inlet onto the paper machine. Any additive into the beater or before any shear stress reduces the effectiveness of the agent. Purposeful dosage of **RETOSTAN B** is carried out by means of mixing head. The preparation is dosed from a magazine in diluted ratios within 1:10 to 1:100.

##### **2. Cleaning of sewage waters in various ranges of economy**

Dosage: 10 – 20 g/m<sup>3</sup> of sewage water, resp. 6 – 20 g/kg dry matter of sediment.

### **Packing and storage**

**RETOSTAN B** is delivered in polyethylene cans (50 liters), or in other packages, that have been discussed in advance. Product is stored in closed containers at temperatures within +5 up to 25 °C protected from direct weather influences. Avoid storing near the heat sources.

### **Transport**

The product is transported regardless of the ADR/RID regulations. The storage life is 6 months since the date of expedition.

### **Warranty**

If the product is transported and stored according to the above mentioned conditions, the warranty is 6 months from the date of stock-out.

### **Note**

Data about the product characteristics and its manufacturing were acquired by laboratory measurements and application tests. This technical sheet can only give a legal advice without any obligation. The manufacturing of the product must be adjusted to the specific conditions.

