

LAVIOPUR AP

Activated bentonite for water clarification

Description

LAVIOPUR AP is based on a natural sodium bentonite chosen for primary and industrial wastewater clarification and for sludge treatment. It is a mineral powder that forms stable water suspension.

LAVIOPUR AP slurry must be added to the water or sludge in association with other coagulants or flocculants. In this condition **LAVIOPUR AP** acts as a coagulant and enhances the flocculation process; moreover, **LAVIOPUR AP** can adsorb and remove surfactants, COD, heavy metals, oil and greases.

In some cases, **LAVIOPUR AP** can be added as a powder in case where adequate mixing energy is applied to the wastewater.

LAVIOPUR AP can take part of different wastewater and sludge treatment assemblies, such as those based on:

- Sedimentation
- Flotation
- Filtration
- Press-filtration
- Centrifugation

Instructions for use

LAVIOPUR AP should be dispersed with tap water, concentration 3-5% by weight. Clarified water could be used but only if of excellent quality and, in any case, not before a long-term evaluation of slurry stability. Usually, **LAVIOPUR AP** is to be added before flocculating chemicals. Contact time and optimal combination with other chemicals are to be evaluated in advance with an on-site survey comprising adequate lab testing.

Dosage

The dosage range of **LAVIOPUR AP** can be very wide and has to be cleared up on site through a lab test pre-evaluation and a plant test confirmation test.

As a rule of thumb, **LAVIOPUR AP** dosage range can 10 – 40 g/m³ when used as a coagulant while the dosage can be up to 500 – 1000 g/m³ when quantitative adsorption is required. Dosages of 200 – 500 g/m³ in sludge treatment are usual for **LAVIOPUR AP**.

		<i>Laviopur AP</i>
Chemical-physical characteristics (typical value):		
Appearance		brown powder
Moisture	[%]	10 - 14
Bulk Density	[g/mL]	0,9 – 1,0
Granulometry, dry residue on 75 micron	[%]	max 10
pH in H ₂ O		8,5 – 9,5

Packaging

LAVIOPUR AP is available in 25 kg bags, 1000 kg big bags and bulk.

Storage

LAVIOPUR AP is to be stored in a dry place with no particular prescriptions.

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