

AGROSEP® AX20

PRODUCT DESCRIPTION

AGROSEP® AX20 is a natural sepiolite (hydrous magnesium silicate) obtained from selected deposits, processed by drying, micronization, and classification to achieve optimal fineness and consistency. Its unique fibrous morphology and large specific surface area provide exceptional absorption, binding, and rheological properties.

AGROSEP® AX20 is engineered for versatile use. It serves as a rheology-modifying, suspending, and stabilizing agent when it is used in liquid feed formulation. It also functions as a binder, carrier, and moisture regulator in fertilizer and seed-coating processes.

The product is inert, non-toxic, chemically stable, and compliant with international safety standards and EU Feed Additive Regulation (EC No. 1831/2003) where it is listed as technological additive under Additive Code E562.

Recommended addition rate of **AGROSEP® AX20**:

- in liquid feed formula: 0.5 – 2.0%
- in fertilizer and seed-coating: 2.0 – 5.0 %

PROPERTIES

Fibrous morphology: Prevents sedimentation & phase separation in liquid feeds; stabilizes suspensions & emulsions

High surface area & Strong adsorption: Enhances moisture control in fertilizers; improves granule cohesion

Water retention capacity: Regulates viscosity in feed slurries; improves hydration and germination in seed coatings

Chemical inertness: Safe with vitamins, amino acids, trace minerals & fertilizer salts

Natural thixotropy: Easy pumping & mixing in liquid feeds; stable storage without settling.

APPLICATIONS

Feed & Animal Nutrition

- Liquid feed and molasses-based supplements (suspending/emulsifying agent)
- Premixes & vitamin/mineral blends (anti-caking and flowability aid)
- Mycotoxin adsorption support (secondary functionality)

Fertilizer & Agro Formulations

- NPK, urea or micronutrient granulation (binder and structural additive)
- Seed coating and pelleting (moisture regulator, carrier, binder)
- Fertilizer carriers for micronutrients, pesticides or biological actives

TECHNICAL INFORMATION

Product Information

Colour	Cream
Appearance	Fine Powder
Packing	Available in 20 kg bags and 1000 kg Big Bags
Shelf life¹	3 years

Physical – Chemical Properties²

Mineralogic Composition	Sepiolite > %80 (Asbestos free)
Moisture³	10-12 %
PH	8.5 ± 0.5
Brookfield Viscosity (mPa·s)⁴	>25.000
Particle Size Distribution	Finer than 38 µm: Max. 10% D50 : 45 – 150 µm D90 : < 197 µm
Undesirable substances⁵	Non or below EU feed additive limits

¹ From manufacturing date. Stored in its original packing in dry conditions.

² Applicable to the whole batch.

³ Measured at the packing stage and can vary according to relative humidity during the transport and storage.

⁴ Measured at 5 rpm with 7% of dried substance collected from the batch

⁵ Heavy metals and other undesirable substances are below the limits established by Directive 2002/32/EC on undesirable substances in animal feed.