



# ARCEM MINERAL 500

## MINERAL GRINDING CHEMICAL

### Product Description

**ARCEM MINERAL 500**, is a mineral grinding chemical that is used as grinding aid for mineral, coal, calcium, carbonate, limestone, silica, calcium oxide e.t.c.

### Technical Properties

Chemical base	Amine based
Color, Appearance	Transparent Liquid
pH	9-11
Density	1,15 ± 0,03 g/cm <sup>3</sup>
Compliance with standards	TS EN 9001

### Advantages

- Increases grinding efficiency.
- Reduces mineral grinding costs.
- Provides energy savings.
- Increases powder flowability.
- Decreases the agglomeration of mineral particles.
- Reduces or eliminates blockages in silos.

### Area of Uses

Used in the grinding process of the following minerals and cement raw materials at vertical mills and ball mills.

- Barite
- Barium Sulfate
- Limestone
- Calcium Carbonate
- Calcium Oxide
- Calcium Sulfate
- Chrome Oxide
- Dolomite
- Perlite
- Feldspar
- Magnesium
- Quartz
- Zinc

### Consumption Dosage

Optimum dosage should be determined by pre-tests conducted at the factory according to the characteristics of the mineral.

### Method of Application

**ARCEM MINERAL 500** is dripped directly to the mineral on the conveyor belt. The proper dosage of the additive is obtained by using suitable dosage pump.

### Packaging

- 200 kg barrel
- 1000 kg IBC
- Bulk

### Storage and Shelf Life

Under proper storing conditions, the product's shelf life is 12 months from production date original unopened and undamaged packaging. Direct sunlight exposure and freezing conditions should be avoided.

### Warning

Optimum additive dosage can vary according to mineral properties, and the factory conditions. Dosage values are exceeded or excessive dosing, shortening the duration of milling, grinding, and the possible loss of efficiency may lead to the mill discharge and extreme fluidity.

### Safety Measures

Use protective clothes, gloves, glasses and mask compatible with health and safety regulations during the application. Avoid direct contact with eyes and skin during storing and application. In case of contact wash off thoroughly with soap and water. If ingested seek medical attention immediately. Store away from all foodstuffs. Keep away from children. For detailed safety information please consult the product's Material Safety Data Sheet.

**Responsibility:** The information given in this technical data sheet is based on the applications carried out in our field of production and latest technological developments. **YAPICHEM KİMYA SAN. A.Ş.** is only responsible for the quality of product. **YAPICHEM KİMYA SAN. A.Ş.** cannot be responsible for the results due to the wrong use of the product and/or apart from the written recommendations regarding the area of use and application method. This technical data sheet makes the prior issues void.