



PRODUCT CATALOG

Sustainable Solutions

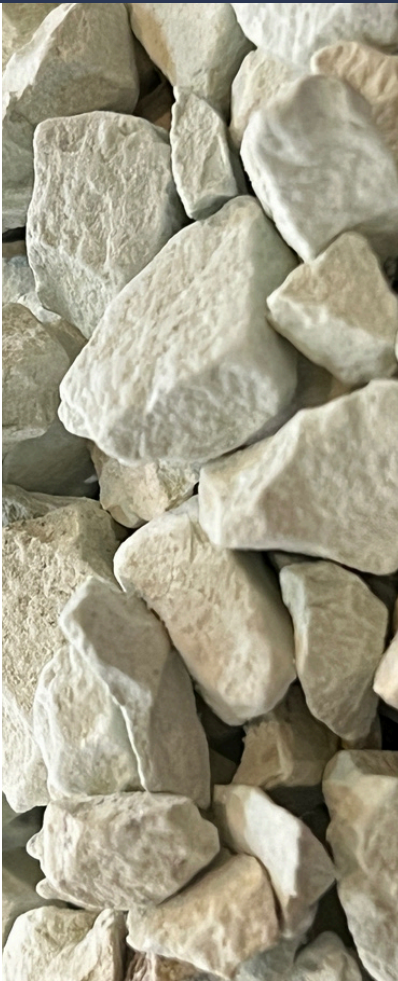
www.aretetrade.com



TABLE OF CONTENTS

About us	3
Product category	5
Product listing-Zeolite	6
Product listing-Bentonite	11
Contact information	13

ABOUT US



AreteOn trade company is a trusted supplier of **high-quality Zeolite and Bentonite** for agricultural, environmental and industrial applications. With a commitment to **purity, sustainability, and efficiency**, we provide natural mineral solutions that enhance soil and agricultural crop health, water treatment, livestock and poultry health, and more.

Our mission is to promote sustainable, eco-friendly practices through natural, innovative mineral products tailored to meet diverse industrial needs.



Industries we serve

Agriculture
Aquaculture

Poultry
Live-stock

Health &
Wellness

Environmental
practices



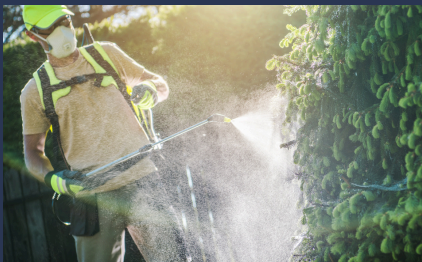
Soil enhancement



Animal feed additive



Edible detoxifier



Foliar pesticide



Animal bedding



Natural beauty &
personal care products



Horticulture



Pet litter



Aquaculture



Construction



Water purification
Wastewater treatment



PRODUCT CATEGORY



Zeolite



Bentonite

Product Name: Natural Zeolite Clinoptilolite

Product Description:

Our Natural Zeolite Clinoptilolite (**Mesh 400**) is a finely ground, high-purity mineral with exceptional adsorption, ion-exchange, and molecular sieving properties. Due to its ultra-fine particle size, it is highly effective in applications requiring enhanced surface area and reactivity, such as industrial processes, agriculture, animal feed, and environmental treatment.



Technical Specifications

- Mineral Composition: Clinoptilolite Zeolite
- Particle Size: Mesh 400 (≤ 38 microns)
- Purity: $\geq 85\%$ Clinoptilolite
- Cation Exchange Capacity (CEC): $\sim 150-200$ meq/100g
- Moisture Content: $\leq 5\%$
- Bulk Density: $\sim 0.6-0.9$ g/cm³
- pH: 7-9
- Color: Light gray to beige

Packaging & Storage:

- Available Packaging: 25-50 kg P P bags, 1-Ton jumbo bags, or customized packaging
- Storage Conditions: Store in a dry, ventilated area away from moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.

Key Benefits & Applications

1. Agriculture & Fertilizer Additive

- Enhances nutrient retention and slow-release capabilities
- Improves soil structure and water-holding capacity
- Supports sustainable farming by reducing fertilizer loss

2. Animal Feed Additive

- Effectively binds mycotoxins, reducing toxicity in livestock feed
- Enhances digestion and nutrient absorption in poultry, cattle, and swine
- Reduces ammonia emissions and improves air quality in animal housing

3. Industrial & Environmental Applications

- Used as an additive in coatings, paints, and polymers for moisture control
- Effective in wastewater treatment for heavy metal and ammonia removal
- Serves as an anti-caking and flow agent in industrial formulations

4. Health & Cosmetic Applications

- Used in detoxifying supplements due to its ability to trap toxins
- Incorporated in skincare and cosmetic formulations for oil absorption

Product Description:

Our Natural Zeolite Clinoptilolite (0-1 mm) is a high-purity, finely crushed mineral known for its superior adsorption, ion-exchange, and filtration capabilities. Its fine particle size enhances its reactivity, making it ideal for applications in agriculture, animal feed, water treatment, and industrial processes.

Technical Specifications

- Mineral Composition: Clinoptilolite Zeolite
- Particle Size: 0-1 mm (Fine ground)
- Purity: ≥85% Clinoptilolite
- Cation Exchange Capacity (CEC): ~150-200
- Moisture Content: ≤5%
- Bulk Density: ~0.7-1.1 g/cm³
- pH: 7-9
- Color: Light gray to beige

Packaging & Storage

- Available Packaging: 25-50 kg P P bags, 1-Ton jumbo bags, or customized packaging
- Storage Conditions: Store in a dry, ventilated area away from moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.



Key Benefits & Applications

1. Water Filtration & Treatment

- Removes heavy metals, ammonia, and organic pollutants
- Used in drinking water purification, wastewater treatment, and aquaculture filtration
- Enhances water clarity and quality in industrial and domestic applications

2. Agriculture & Soil Improvement

- Improves soil structure, water retention, and nutrient availability
- Reduces fertilizer loss by preventing nutrient leaching
- Promotes sustainable farming and organic agriculture

3. Animal Feed Additive

- Binds mycotoxins, reducing their harmful effects on livestock and poultry
- Enhances digestion and nutrient absorption
- Reduces ammonia emissions, improving air quality in animal housing

4. Industrial & Environmental Applications

- Used as an anti-caking and moisture-absorbing agent in various industries
- Effective in odor control, air filtration, and gas adsorption
- Applied in cement, polymer, and coating formulations to enhance performance

Product Description:

Our Granular Zeolite Clinoptilolite is a naturally occurring, high-purity mineral, graded in 1-3 mm particles with excellent adsorption, ion-exchange, and filtration properties. This granular form is ideal for agricultural applications requiring controlled particle size, high mechanical strength, and superior performance in industrial processes.

Technical Specifications

- Mineral Composition: Clinoptilolite Zeolite
- Particle Size: 1-3 mm (Granular)
- Purity: ≥85% Clinoptilolite
- Cation Exchange Capacity (CEC): ~200 meq/100g
- Moisture Content: ≤5%
- Bulk Density: ~0.8-1.2 g/cm³
- pH: 7-9
- Color: Light gray to beige
- Hardness: High mechanical strength for long-term use

Packaging & Storage

- Available Packaging: 25-50 kg P P bags, 1-Ton jumbo bags, or customized packaging
- Storage Conditions: Store in a dry, ventilated area away from moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.



Key Benefits & Applications

1. Agriculture & Soil Enhancement

- Improves soil aeration and water retention
- Enhances nutrient availability and reduces leaching
- Acts as a natural slow-release fertilizer carrier
- Supports sustainable farming practices

2. Animal Feed Additive

- Helps bind mycotoxins and reduces toxin absorption
- Improves digestion and nutrient absorption in livestock
- Reduces ammonia and odor emissions in animal housing

3. Water Filtration & Purification

- Efficiently removes heavy metals, ammonia, and toxins
- Used in wastewater treatment and drinking water purification
- Natural alternative for filtering aquaculture and aquarium systems

4. Industrial & Environmental Applications

- Used in air purification systems to absorb volatile compounds
- Enhances cement and construction material performance
- Ideal for odor control in waste management

Product Description:

Our **Granular Zeolite Clinoptilolite (1-3 mm)** is a naturally occurring, high-purity mineral with excellent adsorption, ion-exchange, and filtration properties. This granular form is ideal for applications requiring controlled particle size, high mechanical strength, and superior performance in filtration, agriculture, and industrial processes.

Technical Specifications

- Mineral Composition: Clinoptilolite Zeolite
- Particle Size: 1-3 mm (Granular)
- Purity: ≥85% Clinoptilolite
- Cation Exchange Capacity (CEC): ~150-200 meq/100g
- Moisture Content: ≤5%
- Bulk Density: ~0.8-1.2 g/cm³
- pH: 7-9
- Color: Light gray to beige
- Hardness: High mechanical strength for long-term use

Packaging & Storage

- Available Packaging: 25-50 kg P P bags, 1-Ton jumbo bags, or customized packaging
- Storage Conditions: Store in a dry, ventilated area away from moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.



Key Benefits & Applications

1. Water Filtration & Purification

- Effectively removes heavy metals, ammonia, and contaminants
- Used in drinking water, wastewater treatment, and aquaculture filtration
- Provides a natural and eco-friendly alternative to synthetic filter media

2. Agriculture & Soil Amendment

- Improves soil aeration and moisture retention
- Enhances fertilizer efficiency by reducing nutrient leaching
- Supports sustainable farming and organic cultivation

3. Industrial & Environmental Applications

- Used in gas purification and air filtration systems
- Absorbs harmful chemicals and odors in waste management
- Serves as a desiccant in various industrial processes

4. Animal Feed & Bedding

- Reduces ammonia levels and improves air quality in livestock housing
- Enhances feed efficiency and binds mycotoxins for healthier livestock
- Prevents moisture buildup in animal bedding, reducing bacterial growth

Product Description:

Our Natural Zeolite Clinoptilolite (**Lump 5-20 mm**) is a high-purity, naturally occurring mineral known for its exceptional adsorption, ion-exchange, and filtration properties. This coarse-grade form is ideal for applications requiring long-lasting filtration, moisture absorption, and environmental remediation. Its durability and effectiveness make it suitable for industrial, agricultural, and water treatment uses.



Technical Specifications

- Mineral Composition: Clinoptilolite Zeolite
- Particle Size: 5-20 mm (Lump)
- Purity: ≥85% Clinoptilolite
- Cation Exchange Capacity (CEC): ~150-200 meq/100g
- Moisture Content: ≤5%
- Bulk Density: ~0.9-1.3 g/cm³
- pH: 7-9
- Color: Light gray to beige
- Hardness: High mechanical strength for long-term use

Packaging & Storage

- Available Packaging: 25-50 kg P P bags, 1-Ton jumbo bags, or customized packaging
- Storage Conditions: Store in a dry, ventilated area away from moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.

Key Benefits & Applications

1. Water Filtration & Treatment

- Ideal for removing heavy metals, ammonia, and contaminants
- Used in wastewater treatment, industrial filtration, and aquaculture systems
- Provides long-lasting performance as a natural, eco-friendly filter media

2. Industrial & Environmental Applications

- Used in air purification systems to trap volatile compounds and odors
- Absorbs oil, chemicals, and hazardous substances in spill management
- Enhances gas filtration in industrial processes

3. Agriculture & Soil Improvement

- Enhances soil aeration and water retention for sustainable farming
- Reduces nutrient leaching and improves fertilizer efficiency
- Ideal for use in large-scale soil amendment projects

4. Livestock & Animal Husbandry

- Helps control moisture and odor in animal bedding
- Reduces ammonia emissions, improving air quality in poultry and livestock farms
- Supports better waste management in large-scale farming operations

Product Name: Bentonite Clay

Product Description:

Bentonite is a naturally occurring clay composed primarily of montmorillonite, known for its high water absorption, swelling, and binding properties. It is widely used in various industries, including agriculture, drilling, construction, and water purification

Chemical Composition

- SiO₂ : 50-65%
- Al₂O₃ : 10-20%
- Fe₂O₃ : 2-10%
- CaO : 1-5%
- MgO : 1-5%
- Na₂O/K₂O : 1-5%
- Moisture Content: <12%
- pH: 7-10

Physical Properties

- Color: Light gray to beige
- Bulk Density: 0.8 - 1.0 g/cm³
- Swelling Capacity: 5-20 times its volume (depends on type: sodium or calcium bentonite)
- Particle Size: Available in powder, granules

available particle size Grading

- Micronized, mesh 200/ 400
- Ground, 0-1 mm
- Granular as cat litter
- Custom Particle Size is available



Product Grades and Applications:

1. Sodium Bentonite

Benefits:

High Swelling Capacity

Applications:

- Drilling Mud; Used in oil and gas drilling to stabilize boreholes.
- Waterproofing; Creates an impermeable barrier in construction and geotechnical engineering.
- Foundry Casting; Acts as a binding agent in metal casting.

2. Calcium Bentonite

Benefits:

High Absorption

Applications:

- Animal Feed Additive; Used as a mycotoxin binder for livestock and poultry.
- As cat litter and livestock and poultry bedding.
- Soil Conditioner; Improves water retention and soil structure in agriculture.
- Water Treatment; Removes heavy metals and impurities from industrial wastewater
- as clarifying agent in juice, beverage and oil refinement in food industries.
- pharmaceutical and personal care and beauty products

Packaging & Storage

- Packaging: 25-50 kg PP woven bags or bulk packaging (1 ton big bags), customized packaging is available
- Storage Conditions: Store in a dry, well-ventilated area away from direct moisture
- MOQ: 10 Ton
- Delivery terms: FOB, CIF, etc.



CONTACT INFORMATION

For inquiry, order sample or
custom solutions, contact us:

 Company Name

 Email: contact@areteontrade.com

 Phone: +98-2128424667

 Website: www.areteontrade.com

 Delivery: Worldwide shipping available / FOB, CIF, etc.

Data sheets or chemical analysis lab reports, are available upon request.



www.areteontrade.com

contact@areteontrade.com

+98-2128424667