

ECCALITE MILLED

IMERYS
Southdowns Office Park
Block B
Cnr John Vorster and Karee
Irene, Centurion

A granulated natural **Zeolite** from the Clinoptilolite mineral group. It has high cationic exchange and absorption properties. Acts as mycotoxin binder and absorbs heavy metals which lower digestive stress and need antibiotics. Absorbs moisture and traps ammonia in stalls to reduce odour. Increases retention of fertilizers in soils.

All Zeolite is mined in the Heidelberg (WC) area.

TYPICAL PROPERTIES

Colour (Crude)	White - Grey
Appearance	Powder
Moisture (%)	≤ 15 (typical)
Specific gravity (g/cm ³)	2,51
Bulk Density (g/cm ³)	1,2
Particle size distribution	< 20% retained on 150µm
Grit	
pH (5% in water)	8-9
Swelling index (ml/2g)	
Water Absorption (on sinter plate)	≥400%
Cation Exchange Capacity (meq/100g)	
Viscosity marsh funnel	Immediate: 21 seconds

CHEMICAL ANALYSIS (%)

SiO ₂	64,3
Al ₂ O ₃	12,7
Fe ₂ O ₃	1,3
TiO ₂	0,1
CaO	1,2
MgO	1,3
K ₂ O	1,7
Na ₂ O	2,3
L.O.I	8,4

MINERALOGY (APPROXIMATE)

% Clinoptilolite	≥90%
% Quartz	≤5%

Notice: the characteristics listed are indicative only and shall be understood as example. IMERYS does not warrant the accuracy, fitness for purpose or update of any information disclosed herein. The purchaser is solely responsible for the verification of the suitability of indicated products for his specific purposes and needs. Any warranties of any kind on the suitability and fitness of the products are excluded.

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Additional information

HEALTH AND SAFETY

Eccalite (Zeolite) is a granular alumino silicate product which generates dust when handled in dry conditions.

Eccalite is low in dust likely to yield respirable silica levels. A dust mask is recommended for use when handling this product in bulk volumes. The material is a natural dessicant. Handling with gloves or the use of a barrier cream will prevent drying of the skin. This product is non-explosive and poses no fire or explosive hazards.

The product is very slippery when wet and special care must be taken during handling in wet conditions.

Storage and Shelf life

PACKAGING

Eccalite is available in the following packaging:
- 25 kg multiply bags, 40 bags per 1,0 metric ton pallet.
- 1.0 metric ton woven polypropylene bulk bags.

STORAGE

Eccalite is hygroscopic and absorbs moisture. Store in a cool dry place. Do not leave bags in use open; i.e. fold in tight preventing ingress of moisture. Shelf life is 10 years

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