



ECCALITE 1-5mm

ZEOLITE

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 for antibiotics. Absorbs moisture and traps ammonia in stalls to reduce odour. Increases retention of fertilizers in soils.

CHEMICAL ANALYSIS (%)	TYPICAL
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

PHYSICAL PROPERTIES	
Colour (Crude)	White to Grey
Appearance	Granules
Moisture (%)	< 15
Specific gravity (g/cm ³)	2,51
Loose bulk density (g/cm ³)	1,2
Particle size distribution	80% 1- 5mm nominal (10% > 5mm and 10% < 1mm)
pH (30g in 60ml water)	8 - 9
Water absorption (on sinter plate)	400%
Cation exchange capacity (mg/kg)	16
Viscosity marsh funnel	Immediate: 21 seconds
Surface area (Bet method m ² /g)	43
Average Pore Volume (cm ³ /g)	> 0,1
Average Pore Size	73 Angstrom or 7 nm

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Revision 1 - 2014 July

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HEALTH AND SAFETY

Eccalite (Zeolite) is a granular alumino silicate product, which generates dust when handled in dry conditions. Eccalite is low of acute toxicity and is low in dust likely to yield respirable silica levels. A dust mask is recommended for use when handling this product in bulk quantities. The material is a natural desiccant. 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.

PACKAGING

Eccalite is available in the following packaging:

- 1,0 metric ton woven polypropylene bulk bags.
- 40 kg multiply bags, 25 bags per 1,0 metric ton pallet.
- 25 kg multiply bags, 40 bags per 1,0 metric ton pallet.

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