



PRODUCT SPECIFICATIONS

mSORB® EDG

Ethanol Drying Grade Molecular Sieve
Type 3A, 4 x 8 Mesh, Beaded

CHEMICAL FORMULA $K_{12} [(AlO_2)_{12}(SiO_2)_{12}] \cdot nH_2O$

PRODUCT DESCRIPTION

mSORB® EDG molecular sieve is specifically designed for drying fuel grade ethanol. Ethanol can only be dried to the azeotropic point of 95.6% purity by traditional distillation. **mSORB® EDG** selectively adsorbs the water from the solution to produce anhydrous ethanol with less than 1% water. This is the drying method of choice for fuel ethanol producers.

SPECIFICATIONS		
Property	Value	Unit
Bead Size	4 x 8	Mesh
Nominal Pore Opening	3	Angstroms
Equilibrium Water Capacity @ 23 ± 2°C 50% RH	≥ 21	% Weight
Equilibrium Water Capacity @ 23 ± 2°C 10% RH	≥ 18	% Weight
Packed Bulk Density ENISO 787-11	0.75 - 0.80	g/ml
Crush Strength	≥ 90	N
Size Qualification	≥ 97	%
Alcohol Δ T (20cc/20cc)	≤ 8 ° C	° C
Methanol Δ T (20cc/20cc)	≤ 16 ° C	° C
K ⁺ Exchange Rate	45-55	% Weight
Desorption of N ₂ (cm ³ /100g)	None	
Heat of Adsorption	1800	BTU/lb of H ₂ O
Attrition MIL-D-3716B	≤ 0.2	% Weight
LOI (1 Hour @ 950°C)	≤ 1.0	% Weight

TYPICAL APPLICATIONS

Drying of fuel grade ethanol.

PACKAGING INFORMATION

Drums 150 kgs / 330lbs
Super Sacks Fill weights to order specification

HANDLING & STORAGE RECOMMENDATIONS

Store **mSORB®** molecular sieve in a dry location to prevent premature water adsorption. Reseal packages after opening to prevent contamination and unintended water adsorption. We recommend that you rotate stock so oldest material is used first.

HEALTH & SAFETY INFORMATION

Health and Safety Information is available on product MSDS, which can be downloaded from our web site www.deltaadsorbents.com or by contacting Delta Adsorbents at 800.274.3205.

DISTRIBUTED BY:

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