

mSORB® EDG
Ethanol Drying Grade Molecular Sieve**PRODUCT DESCRIPTION**

mSORB® EDG molecular sieve is specifically designed for the dehydration of fuel grade ethanol. Ethanol can only be dried to an azeotropic point of 95.6% purity by traditional distillation. After that point, mSORB® EDG selectively adsorbs the water from the solution to produce anhydrous ethanol with less than 0.5% water. This is the drying method of choice for fuel ethanol producers.

CHEMICAL FORMULA

$K_{12} [(AlO_2)_2(SiO_2)_2] \cdot nH_2O$

TYPICAL APPLICATIONS

Dehydration of fuel grade ethanol in PSA and VSA systems.

PACKAGING INFORMATION

330 lb steel drums
2100 lb super sacks

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.

TYPICAL PROPERTIES

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| Product Code | 3A48EDG |
| Particle Size (Mesh) | 4 x 8 |
| Particle Type | Bead |
| Type | 3A |
| Nominal Pore Opening (Å) | 3 |
| Water Adsorption Capacity (wt%) | ≥ 21 |
| Heat of Adsorption (BTU/lb of H ₂ O) | 1800 |
| Bulk Density (g/ml) | ≥ 0.75 |
| Bulk Density (lb/ft ³) | ≥ 46.8 |
| Attrition (wt%) | ≤ 0.2 |
| Crush Strength (N) | ≥ 100 |
| Crush Strength (lb) | ≥ 22.4 |
| Size Qualification (%) | ≥ 99 |
| Package Moisture (wt%) | ≤ 1.5 |

HEALTH & SAFETY INFORMATION

Health and safety information is available on our product SDS, which can be downloaded from our website interraglobal.com or by contacting Interra Global at 847.292.8600.