

## mSORB® RG-9, RG-11 Refrigeration Grade Molecular Sieves

**CHEMICAL FORMULA:** Ca<sub>4.5</sub> [(AlO<sub>2</sub>)<sub>12</sub>(SiO<sub>2</sub>)<sub>12</sub>] • nH<sub>2</sub>O

### PRODUCT DESCRIPTION

mSORB® RG desiccants provide excellent water capacity, high physical strength, and high attrition resistance, when activated or hydrated, allowing for use in high vibration applications such as mobile air conditioning.

mSORB® RG molecular sieves are formulated to be compatible with the refrigerants and lubricants for their intended operation and will prevent chemical reactions that could produce system failures.

TYPICAL PROPERTIES		
PRODUCT CODE	RG-9	RG-11
Bead Size	16x40	16x40
Nominal Pore Opening(Å)	3	3
Equilibrium Water Capacity (wt%)(4.6 Torr @ 25°C)	≥ 18	≥ 18
Heat of Adsorption (BTU/lb of H <sub>2</sub> O)	1800	1800
Bulk Density (lb/ft <sup>3</sup> )	≥ 56	≥ 56
Bulk Density (g/ml)	≥ .9	≥ .9
Hydrated Attrition (wt%)	≤ 1.5	≤ 1.5
Size Qualification (%)	≥ 95	≥ 95
LOI (wt%) @ 550°C	≤ 1.5	≤ 1.5

### TYPICAL APPLICATIONS

mSORB® RG molecular sieves are specifically formulated to be used as desiccants for stationary and mobile air conditioning and refrigeration systems in the commercial, automotive, and appliance industries.

### PACKAGING

Available in 396lb (180kg) drums and super sacks filled to order.

### HANDLING & STORAGE RECOMMENDATIONS

Store mSORB® RG 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 the product SDS, which can be downloaded from our website [www.interraglobal.com](http://www.interraglobal.com) or by contacting Interra Global at 847.292.8600.