

Part # 1212013, 1212014, 1212016, 1212017

4A Molecular Sieve Desiccant – 1/8” & 1/16”

Material Data Safety Sheet

I. Identification of Substance:		Company Information:	
Company Name: eCompressedair/Parts Services International		Product Name: 4A Molecular Sieve	
Street: 251 Union Street		Date Prepared: October 1, 2013	
City, State, Zip Code: Westfield MA 01085		Phone: (866) 650-1937 Fax: (877) 880-1937	
II. COMPOSITION/INFORMATION:			
Material or Component: Sodium Aluminosilicate 4A, Zeolite 4A		Hazard Data: - Non Hazard: CAS# 1344-00-9	
Chemical Name: 4A Molecular Sieve		Formula: Na ₁₂ [(AlO ₂) ₁₂] • H ₂ O	
Component: Silicon Dioxide (7631-86-9) < 50 % Sodium Oxide (1313-59-3) < 30 % Aluminum Oxide (1344-28-1) < 30 % Magnesium Oxide (1309-48-4) < 5 %			
III. PHYSICAL DATA			
Boiling point: N/A Vapor Pressure (mm Hg): N/A Vapor Density (AIR=1): N/A Water Solubility: Insoluble Appearance: Light tan beads or powder		Specific Gravity: 2.10 Melting Point: N/A Evaporation Rate (Butyl Acetate=1): N/A Bulk Density (kg/m ³): N/A Odor: Odorless	
IV. FIRE AND EXPLOSION HAZARD DATA			
Flash Point: N/A	Flammable Limits: Non-flammable	LEL: N/A	UEL: N/A
Extinguishing Media: Use media appropriate for surrounding fire			

Explosion: Contact with moisture may generate sufficient heat to ignite combustible materials											
Specific Hazards: Used product may contain retained chemicals, inform fire fighters											
V. HEALTH HAZARD INFORMATION											
<p>Emergency overview</p> <p>Caution – may cause irritation – Skin and eye irritant</p> <p>Health Rating – 0 – None</p> <p>Flammability rating – 0 - None</p> <p>Reactivity rating – 0 – None</p> <p>Contact Rating – 1 – Slight</p> <p>Storage Color Code – Orange (General Storage)</p> <p>Potential Health Effects:</p> <table border="0"> <tr> <td>Inhalation:</td> <td>Irritation of upper respiratory tract possible</td> </tr> <tr> <td>Skin Absorption:</td> <td>N/A</td> </tr> <tr> <td>Skin Contact:</td> <td>Irritation</td> </tr> <tr> <td>Eye Contact:</td> <td>Irritation</td> </tr> <tr> <td>Ingestion:</td> <td>N/A</td> </tr> </table>		Inhalation:	Irritation of upper respiratory tract possible	Skin Absorption:	N/A	Skin Contact:	Irritation	Eye Contact:	Irritation	Ingestion:	N/A
Inhalation:	Irritation of upper respiratory tract possible										
Skin Absorption:	N/A										
Skin Contact:	Irritation										
Eye Contact:	Irritation										
Ingestion:	N/A										
Signs and Symptoms of Exposure: N/A											
<p>Effects of Overexposure</p> <p>Acute Exposure: N/A</p> <p>Chronic Exposure: N/A</p> <p>Aggravation of Pre-existing conditions – No information found</p>											
Medical Conditions Aggravated by Exposure: Breathing of dust may aggravate asthma											
<p>Emergency and First Aid Procedures</p> <p>Eyes: Flush w/water for 15 minutes then consult physician</p> <p>Inhalation: Remove exposed person to fresh air, consult physician</p> <p>Skin: Wash with soap and water for at least 15 minutes.</p> <p>Ingestion: Administer plenty of water, consult physician</p> <p>General recommendations: Avoid breathing dust and direct contact with skin</p>											
VI. REACTIVITY DATA											
Stability: Stable under ordinary conditions											
Hazardous decomposition: N/A											

Hazardous Polymerization: Will Not Occur:	Conditions to Avoid: Moisture
Hazardous Decomposition Products: N/A	
VII. SAFE HANDLING AND USE	
<p>Handling: Keep container tightly closed. Suitable for general chemical storage area. Containers of this material may become hazardous since they retain product residues, dusts, solids; observe all warnings and precautions listed for the product.</p> <p>Accidental release procedure: Wear protective clothing, sweep up and remove</p>	
<p>Waste Disposal Method: Comply with local regulations for non-hazardous chemical disposal.</p>	
VIII. SPECIAL PROTECTION AND CONTROL METHODS	
Respiratory: NIOSH approved dust mask when working with powder.	Ventilation: Dilution ventilation is a satisfactory health hazard control for this substance
Skin Protection : Wear protective gloves	Eye Protection: Safety goggles recommended
Airborne Exposure Limits: None established	
Other Protective Clothing or Equipment: N/A	
IX. Toxicological Information:	
LD50-Oral:	No information available
LS50-Skin:	No information available
LD50-Inhalation:	No information available
Irritation (Skin/Eyes):	No information available
Chronic toxicity: Acute eye, skin, and respiratory tract irritation	
Chronic Inhalation: The drying action of this product can cause irritation of the mucous membranes of the nose and throat. Avoid prolonged breathing of dust	
X. Ecotoxicological Information:	
LC50 Fish:	No information available
LC50-Daphnia:	No information available
XI. TRANSPORTATION AND SHIPPING REQUIREMENTS	
D.O.T. Shipping Name: N/A	
D.O.T. Hazard Classification: non-hazardous	

D.O.T. Labels Required: None
Hazardous Waste: None

XII. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal regulations. Dispose of container and unused contents in accordance with local, state, and federal regulations.

OTHER INFORMATION:

The information presented herein has been compiled from sources considered to dependable and is accurate to the best of our knowledge. Since conditions of use are beyond our control, we take no warranties expressed or implied, except those that may be contained in a written contract of sale or acknowledgement.