1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION:

Product Name: 5A Zeolite
Date of Prep: May 23, 2012
MSDS #: 901178.001
Revision: A

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>CHEMICAL INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
<th>% BY WT.</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>HAZARD SYMBOL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Sieve, 5 Å</td>
<td>69912-79-4</td>
<td></td>
<td>100</td>
<td>NE</td>
<td>NE</td>
<td></td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION:

OSHA Hazards: Irritant. GHS Classification: Skin Irritant (Cat. 2), Eye Irritant (Cat. 2A).
Hazard Statements: Causes skin irritation, causes serious eye irritation, may cause respiratory irritation.

4. FIRST AID MEASURES:

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact: Wash off with soap and plenty of water. Consult a physician.
Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Note to physician:

5. FIRE-FIGHTING MEASURES:

Flammable Properties: NE
Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unique Aspects Contributing To a Fire: NE
Special Fire Fighting Procedures: Wear self contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Do not let product enter drains. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:

Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with good laboratory practices.

Respiratory Protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Eye Protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Engineering Controls: NE
9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>NE</td>
</tr>
<tr>
<td>Physical State</td>
<td>Pellets</td>
</tr>
<tr>
<td>Odor</td>
<td>NE</td>
</tr>
<tr>
<td>pH</td>
<td>NE</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>NE</td>
</tr>
<tr>
<td>Flash Point</td>
<td>NE</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>NE</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NE</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>NE</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>NE</td>
</tr>
<tr>
<td>Melting Point</td>
<td>NE</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY:

- Hazardous Polymerization: [ ] Will Not Occur  [ ] May Occur
- Stability: Stable

- Hazardous Decomposition/Combustion Products:
  Hazardous decomposition products formed under fire conditions. -
  Nature of decomposition products not known. Other decomposition
  products - no data available

- Conditions & Materials to Avoid:
  Avoid Moisture. Hydrogen fluoride, strong acids, strong bases.

11. TOXICOLOGICAL INFORMATION:

- Primary Route(s) of Exposure Under Normal Use: Inhalation
- Target Organ(s): NE
- Acute Effects: NE
- Chronic Effects: NE

Other Information: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

12. ECOLOGICAL INFORMATION: NE

13. DISPOSAL CONSIDERATIONS:
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION:

- U.S. DOT: Not dangerous goods.
- IATA/ICAO: Not dangerous goods.

15. REGULATORY INFORMATION:

- EU Risk/Safety Phrases: NE
- U.S. TOSCA: NE
- Canada: NE

16. OTHER INFORMATION:

**U.S. EPA SARA**

- 313 Chemicals: Not required.

**National Fire Protection Association Rating**

<table>
<thead>
<tr>
<th>CERCLA RO</th>
<th>National Fire Protection Association Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>4=Severe Hazard</td>
<td>HEALTH 2</td>
</tr>
<tr>
<td>3=Serious Hazard</td>
<td>FLAMMABILITY 0</td>
</tr>
<tr>
<td>2=Moderate Hazard</td>
<td>REACTIVITY 0</td>
</tr>
<tr>
<td>1=Slight Hazard</td>
<td>OTHER</td>
</tr>
<tr>
<td>0=Minimal Hazard</td>
<td></td>
</tr>
</tbody>
</table>

Notes: Not Established (NE) means a value has not been set or there is no information available. Not Applicable (NA) means that the topic is not pertinent.

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