SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Potassium Hydrogen Phthalate, Primary Standard
NCL Catalog Number: P-61
Product Description: Laboratory chemical
Supplier: NCL of Wisconsin, Inc.
    P.O. Box 8
    Birnamwood, WI 54414
    Telephone: 1-800-648-7836  Fax: 715-449-2454
    Emergency Contact: 1-800-424-9300 (Chemtrec)
    Email: nclabs@nclabs.com

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification
    Eye Irritation: Category 2B
    Signal Word: Warning

Hazard Statements
    H320: Causes eye irritation.

Precautionary Statements
    P264: Wash exposed skin thoroughly after handling.
    P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    P337+P313: If eye irritation persists: Get medical advice/attention.

Other Hazards Not Contributing to the Classification: None under normal conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity: Not applicable
Common Name: Not applicable

<table>
<thead>
<tr>
<th>Substance</th>
<th>Name</th>
<th>CAS #</th>
<th>Approximate %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydrogen Phthalate</td>
<td>877-24-7</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General First Aid Measures: Never give anything by mouth to an unconscious person. Seek medical advice if you feel unwell.

If Inhaled: Remove person to fresh air and keep comfortable for breathing. Allow victim to rest. Call a POISON CENTER or doctor if you feel unwell.

In Case of Skin Contact: Remove all contaminated clothing. Rinse skin with water/shower. Call a POISON CENTER or doctor if you feel unwell.

In Case of Eye Contact: Rinse carefully with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor if you feel unwell.

If Swallowed: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

Most Important Symptoms/Effects Acute and Delayed
No additional information.

**Indication of Immediate Medical Attention and Special Treatment Needed**

Seek medical attention if exposed.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media**

- **Unsuitable Extinguishing Media**: Do not use high pressure water stream.

**Special Hazards Arising from the Chemical**: Thermal decomposition generates corrosive vapors.

**Special Protective Actions for Fire-Fighters**: Wear self-contained breathing apparatus and protective clothing. Keep exposed containers cool with water spray.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

- **Personal Precautions**: Use personal protective equipment (see section 8). Evacuate area of non-essential personnel. Eliminate ignition sources. Ventilate area.
- **Environmental Precautions**: Prevent entry to surface and ground waters.
- **Methods and Materials for Containment and Cleaning Up**: Sweep or shovel into suitable containers. Collect spillage. Store away from other materials. Ensure compliance with local, state and federal regulations.

### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling**: Avoid contact with eyes and skin. Avoid breathing vapors. Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in area of use to prevent formation of vapor.

**Conditions for Safe Storage Including any Incompatibilities**: Keep in a tightly closed container, stored in a cool, dry, ventilated area. Store away from sunlight, which can contribute to instability, strong acids, and strong oxidizers.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Control Parameters**: No data available
- **Appropriate Engineering Controls**: Material should be handled or transferred in a fume hood or with equivalent ventilation. Maintain eye-wash fountain and quick-drench facilities in work area.

- **Individual Protection Measures**
  - **Eye/Face Protection**: Use chemical safety goggles and/or a full face shield where splashing is possible. Contact lenses should not be worn when working with this material.
  - **Skin Protection**: Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.
  - **Respiratory Protection**: Wear appropriate mask.
  - **Other Information**: Do not eat, drink, or smoke when using this product.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Physical State**: Solid, crystalline
- **Color**: Colorless
- **Odor**: Odorless
- **Odor Threshold**: Not determined
- **pH**: Not determined
- **Melting Point/Freezing Point**: Not determined
- **Initial Boiling Point and Boiling Range**: Not determined
- **Flash Point**: Not determined
- **Evaporation Rate**: Not determined
- **Flammability (Solid, Gas)**: Not determined
Upper/Lower Flammability/Explosive Limits  Not determined  
Vapor Pressure  Not determined  
Vapor Density  Not determined  
Relative Density  Not determined  
Solubility  Soluble in water  
Partition Coefficient: n-octanol/water  Not determined  
Auto-Ignition Temperature  Not determined  
Decomposition Temperature  Not determined  
Viscosity  Not determined  

SECTION 10: STABILITY AND REACTIVITY  
Reactivity  No data available  
Chemical Stability  Stable under ordinary conditions of use and storage.  
Possibility of Hazardous Reactions  No data available  
Conditions to Avoid  Extremely high or low temperatures. Heat and sunlight can contribute to instability.  
Incompatible Materials  Strong acids and strong oxidizers  
Hazardous Decomposition Products  Carbon monoxide and carbon dioxide.  

SECTION 11: TOXICOLOGICAL INFORMATION  
Acute Toxicity  Not classified  
<table>
<thead>
<tr>
<th>Potassium Hydrogen Phthalate (877-24-7)</th>
</tr>
</thead>
</table>
| LD50 oral rat                          | >3200 mg/kg  
Skin Corrosion/Irritation  Not classified  
Serious Eye Damage/Irritation  Causes eye irritation.  
Respiratory or Skin Sensitization  Not classified  
Germ Cell Mutagenicity  Not classified  
Carcinogenicity  Not classified  
Reproductive Toxicity  Not classified  
Specific Target Organ Toxicity (Single Exposure)  Not classified  
Specific Target Organ Toxicity (Repeated Exposure)  Not classified  
Aspiration Hazard  Not classified  
Potential Adverse Human Health Effects and Symptoms  No data available  
Other Information  Not available  

SECTION 12: ECOLOGICAL INFORMATION  
Toxicity  Not applicable  
Persistence and Degradability:  Not applicable  
Bioaccumulative Potential:  Not applicable  
Mobility in Soil:  Not applicable  
Other Adverse Effects:  Not applicable  

SECTION 13: DISPOSAL CONSIDERATIONS  
Methods of Disposal
**Disposal Recommendations**  
Dispose of contents/containers in accordance with local, state and federal regulations.

**Other Information**  
Avoid release to the surrounding environment.

### SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number</td>
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</tr>
<tr>
<td>UN Shipping Name</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport Hazard Class(es)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Packing Group</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental Hazards</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transport in Bulk</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Other Precautions</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### SECTION 15: REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Potassium Hydrogen Phthalate (877-24-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the United States TSCA (Toxic Substances Control Act) inventory</td>
</tr>
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</table>

### SECTION 16: OTHER INFORMATION

Revision Date: 04/14/2015

**NFPA Hazards**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazard</td>
<td>2</td>
<td>Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury.</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>0</td>
<td>Materials that will not burn.</td>
</tr>
<tr>
<td>Reactivity/Instability</td>
<td>0</td>
<td>Normally stable, even under fire exposure conditions, and are not reactive with water.</td>
</tr>
</tbody>
</table>

**HMIS III Rating**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
<td>Temporary or minor injury may occur.</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
<td>Materials that will not burn.</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
<td>Materials that are normally stable.</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>A</td>
<td></td>
</tr>
</tbody>
</table>

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, NCL of Wisconsin, Inc. makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for their conditions of use. Accordingly, NCL of Wisconsin, Inc. will not be responsible for damages of any kind resulting from the use of or reliance upon such information.

END OF SAFETY DATA SHEET