Material Safety Data Sheet

Trade Name/Synonym: Dyna-Gro K-L-N Concentrate
Date Prepared: November 1, 2006
Chemical Name: K-L-N Concentrate
Formula: Mixture (see Section 3: Ingredients)

Section 1: Manufacturer or Supplier
Dyna-Gro Nutrition Solutions, 2775 Giant Road, Richmond, CA 94806, (800) 396-2476 Emergency (510) 233-0254

Section 2: Hazardous Ingredients
Contains no hazardous mixtures

Section 3: Physical Data & Ingredients

<table>
<thead>
<tr>
<th>Physical State at STP</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>212° F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.03</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>13.3</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Percent Volatile</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.22 mm/Hg</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Miscible</td>
</tr>
<tr>
<td>Melting Point</td>
<td>32° F</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Clear odorless liquid</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Formula</th>
<th>%</th>
<th>CAS#</th>
<th>Exposure limits in air:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono-Ammonium Phosphate</td>
<td>NH₄H₂PO₄</td>
<td>&lt;1%</td>
<td>7722-76-1</td>
<td>ACGIH TLV: OHSA PEL:</td>
</tr>
<tr>
<td>Mono-Potassium Phosphate</td>
<td>K₂HPO₄</td>
<td>&lt;1%</td>
<td>7778-77-0</td>
<td>Not Established</td>
</tr>
<tr>
<td>Ammonium Nitrate</td>
<td>NH₄NO₃</td>
<td>&lt;1%</td>
<td>6484-52-2</td>
<td>Not Established</td>
</tr>
<tr>
<td>Potassium Nitrate</td>
<td>KNO₃</td>
<td>&lt;1%</td>
<td>7757-79-1</td>
<td>Not Established</td>
</tr>
<tr>
<td>1-Naphthalene acetic Acid</td>
<td>C₁₀H₇CH₂COOH</td>
<td>&lt;0.11%</td>
<td>86-87-3</td>
<td>Not Established</td>
</tr>
<tr>
<td>3-Indole Butyric Acid</td>
<td>C₁₂H₁₃NO₂</td>
<td>&lt;0.06%</td>
<td>133-32-4</td>
<td>Not Established</td>
</tr>
<tr>
<td>Thiamine Mononitrate</td>
<td>C₁₂H₁₇N₅O₄S</td>
<td>&lt;0.03%</td>
<td>532-43-4</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

Section 4: Fire & Explosion Hazard Data

Flash Point: Non Flammable
Auto-Ignition Temp. (Lower): N/A
Auto-Ignition Temp. (Upper): N/A
Flammable Limits in Air: N/A
Extinguishing Media to Use: Dry Chemicals, CO₂, Water or Water Base Foam
Special Fire Fighting Equipment: Wear protective clothing & breathing unit
Unusual Fire & Explosion Risk: None

Section 5: Reactivity Hazard Data

Stability: Stable
Incompatibility: None known
Hazardous Decomposition: Decomposition will not occur.
Hazardous Polymerization: Polymerization will not occur.

Section 6: Health Hazard Data

Effects of Over-Exposure: Prolonged contact with skin may cause irritation. Contact with eyes and respiratory tract may cause irritation. If swallowed, may cause distress, cramping, vomiting and hypertension.
Section 6: Health Hazard Data—continued

Health Hazards:  Acute: Burns to skin, eyes and nasal passages, cramps and vomiting if swallowed.
                 Chronic: Irritation to skin and mucus membranes.

Carcinogenicity: Not a carcinogen.

Emergency First Aid:

If Swallowed . . . . . . . . . . . . . . : Drink large amounts of water. Call a physician.
Skin Exposure . . . . . . . . . . . . . : Flush with plenty of water.
Eye Exposure . . . . . . . . . . . . . .: Immediately flush eyes with plenty of water for at least 15 minutes.
                                       Call a physician.
If Inhaled . . . . . . . . . . . . . . . . : Remove to fresh air. Call a physician.

Section 7: Spill or Leak Procedures

Environmental Hazard . . . . . . . . . . . . . .: None
Steps to take if Spill Occurs . . . . . . . . . : Flush with hose or mop up and dispose of according to local, state and
                                             federal regulations.
Waste Disposal Method. . . . . . . . . . . . . : Dispose of all waste according to local, state and federal regulations. Mix
                                             with water and dispose of in approved landfill.

Section 8: Special Protection Information

Respiratory Protection . . . . . . . . . . . . . : Self-contained breathing apparatus
Ventilation . . . . . . . . . . . . . . . . . . . . : Local and mechanical
Eye Protection . . . . . . . . . . . . . . . . . . : Safety goggles
Protective Gloves . . . . . . . . . . . . . . . . . : Rubber
Other Protective Equipment . . . . . . . . : Non-absorbent clothing and rubber boots.

Section 9: Handling & Storage Conditions

Storage Temperature (Min./Max.) . . . . : 35 °F / 60° F
Shelf Life . . . . . . . . . . . . . . . . . . . . : 1 year
Handling Precautions . . . . . . . . . . . . . : Do not drink, get in eyes, on skin or on clothing. Avoid breathing vapor.
                                      Wash thoroughly with soap and water after handling.
Storage Precautions . . . . . . . . . . . . . : Keep in tightly closed container. Loosen container cautiously. Store in a
                                      cool area, away from sunlight.

The information contained herein is provided in good faith and is believed to be correct and equivalent to OSHA Form 174, as of
the date hereof, but is issued without guarantee. Since conditions of use are beyond our control, user assumes all responsibility
and risk.