Trade Name/Synonym: Pro-TeKt – The Silicon Solution
Date Prepared: June 1, 2009
Chemical Name: Silicic acid, Potassium salt
Formula: Mixture Potassium Silicate solution

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>
<th>pH</th>
<th>10.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity</td>
<td>1.2</td>
<td>Solubility in Water</td>
<td>Miscible</td>
</tr>
<tr>
<td>Melting Point</td>
<td>32° F</td>
<td>Evaporation Rate</td>
<td>N/A</td>
</tr>
<tr>
<td>Appearance &amp; Odor</td>
<td>Clear Odorless Liquid</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical or Common Name</th>
<th>CAS#</th>
<th>%</th>
<th>OHSA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75.1%</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Silicic acid, potassium salt; Potassium silicate</td>
<td>1312-76-1</td>
<td>24.9%</td>
<td>Not Established</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: Gels when mixed with acid. Spills on glass or tile can turn surface permanently white.
Hazardous Decomposition: Hydrogen Gas
Conditions to Avoid: May produce flammable Hydrogen gas on prolonged contact with certain metals (aluminum, tin, lead, and zinc).

Section 6: Health Hazard Data
Effects of Over-Exposure: Prolonged contact with skin may cause itching or burning. Contact with eyes may cause pain, redness and tearing. Inhalation may cause a burning pain in nose and throat. If swallowed, may cause irritation to the esophagus and stomach.
Section 6: Health Hazard Data – continued

Health Hazards: Acute: Irritation to skin mucus membranes
Chronic: No known chronic hazards. Not listed by OSHA as a carcinogen.

Carcinogenicity: Not a carcinogen.

Medical Conditions Aggravated by Exposure: Asthma and lung diseases, skin diseases.

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: High pH (alkalinity) of undiluted or non-neutralized material is harmful to aquatic life.
Not a listed toxic chemical under SARA Title III, Sections 302, 304 or 313.

Steps to take if Spill Occurs:
- Sinks and mixes with water. Not a RCRA Hazardous waste. Neutralize with dilute acid and landfill solids according to local, state and federal regulations. Flush neutral liquid to sewer with plenty of water.

Waste Disposal Method:
- Neutralize with dilute acid and landfill solids according to local, state and federal regulations. Flush neutral liquid to sewer with plenty of water.

Section 8: Special Protection Information

Respiratory Protection: Self-contained breathing apparatus where concentrate spray occurs.
Ventilation: Use with adequate ventilation
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 / 200° F
Shelf Life: Indefinite
Handling Precautions: Do not drink, get in eyes, on skin or on clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Promptly clean up spills.
Storage Precautions: Keep in tightly closed container. Store in clean steel or plastic containers. Separate from acids, reactive metals and ammonium salts. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

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.