

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

|                                      |                                               |
|--------------------------------------|-----------------------------------------------|
| Physical State at STP ..... : Liquid | Percent Volatile ..... : N/A                  |
| Boiling Point ..... : 212° F         | Vapor Pressure ..... : 0.22 mm/Hg             |
| Specific Gravity ..... : 1.03        | Solubility in Water ... : Miscible            |
| Vapor Density ..... : 13.3           | Melting Point ..... : 32° F                   |
| Evaporation Rate ..... : N/A         | Appearance & Odor ... : Clear odorless liquid |

| Ingredient                | Formula                                                         | %      | CAS#      | Exposure limits in air:<br>ACGIH TLV: OSHA PEL: |
|---------------------------|-----------------------------------------------------------------|--------|-----------|-------------------------------------------------|
| Mono-Ammonium Phosphate   | NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub>                  | <1%    | 7722-76-1 | Not Established                                 |
| Mono-Potassium Phosphate  | KH <sub>2</sub> PO <sub>4</sub>                                 | <1%    | 7778-77-0 | Not Established                                 |
| Ammonium Nitrate          | NH <sub>4</sub> NO <sub>3</sub>                                 | <1%    | 6484-52-2 | Not Established                                 |
| Potassium Nitrate         | KNO <sub>3</sub>                                                | <1%    | 7757-79-1 | Not Established                                 |
| 1-Naphthalene acetic Acid | C <sub>10</sub> H <sub>7</sub> CH <sub>2</sub> COOH             | <0.11% | 86-87-3   | Not Established                                 |
| 3-Indole Butyric Acid     | C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub>                 | <0.06% | 133-32-4  | Not Established                                 |
| Thiamine Mononitrate      | C <sub>12</sub> H <sub>17</sub> N <sub>5</sub> O <sub>4</sub> S | <0.03% | 532-43-4  | Not Established                                 |

## 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, CO<sub>2</sub>, 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.