

Trade Name/Synonym . . . . . : **Dyna-Gro Dyna-Rok II Growing Medium**  
 Date Prepared . . . . . : June 1, 2009  
 Product Name . . . . . : Dyna-Rok II  
 Physical Description . . . . . : Diatomite Granules (0.5-2mm, 2-7mm, 7-15mm)

**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**

Appearance . . . . . : Tan pH . . . . . : 6.2 to 6.9  
 Moisture . . . . . : Approx. 6% Water Absorption . . . . . : 150% to 170% w/w  
 Bulk Density . . . . . : Approx. 0.4

Composed principally of amorphous silicon dioxide containing almost no detectable crystallinity. No cristobalite, tridymite or quartz were detectable, at detection limits of approximately 0.1%.

Ingredient	Formula	%	CAS#	Exposure limits in air: ACGIH TLV: OSHA PEL :
Silicon Dioxide	SiO <sub>2</sub>	82.17%	7631-86-9	Not Established
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	6.74%	1344-28-1	Total Dust - 15 mg/m <sup>3</sup>
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	3.15%	1309-37-1	10 mg/m <sup>3</sup>
Calcium Oxide	CaO	0.04%	1305-78-8	5 mg/m <sup>3</sup>
Magnesium Oxide	MgO	0.37%	1309-48-4	15 mg/m <sup>3</sup>
Titanium Dioxide	O <sub>2</sub> Ti	0.60%	13463-67-7	Total Dust - 15 mg/m <sup>3</sup>
Sodium Oxide	Na <sub>2</sub> O	0.30%	1313-59-3	Not Established
Potassium Oxide	K <sub>2</sub> O	0.04%	12136-45-7	Not Established
Phosphorus Oxide	P <sub>2</sub> O <sub>5</sub>	0.09%	1314-56-3	Not Established
Manganese Oxide	MnO	<0.01%	1313-13-9	Not Established
Strontium Oxide	SrO	<0.01%	1314-11-0	Not Established
Zirconium Oxide	ZrO <sub>2</sub>	0.03%	1314-23-4	Not Established
Sulfur Trioxide	O <sub>3</sub> S	0.04%	7446-11-9	Not Established

**Section 4: Fire & Explosion Hazard Data**

Flammability . . . . . : Non Flammable  
 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.

Health Hazards: Acute: Irritation to skin and mucus membranes.  
Chronic: No known chronic hazards.

Carcinogenicity: Unknown

Emergency First Aid:

- If Swallowed . . . . . : Call a physician.
- Skin Exposure . . . . . : Wash skin with soap and water. Get medical attention if irritation persists.
- Eye Exposure . . . . . : Immediately flush eyes with plenty of water. Call a physician.
- If Inhaled . . . . . : Remove to fresh air. Call a physician.

### **Section 7: Spill Procedures**

Environmental Hazard . . . . . : None  
Steps to take if Spill Occurs . . . . . : No special handling  
Waste Disposal Method . . . . . : No special handling

### **Section 8: Special Protection Information**

Respiratory Protection . . . . . : Self-contained breathing apparatus, if dust is created.  
Ventilation. . . . . : If dust is created, ensure there is adequate ventilation.  
Eye Protection . . . . . : Safety goggles  
Protective Gloves . . . . . : Rubber

### **Section 9: Handling & Storage Conditions**

Storage Temperature (Min./Max.) . . . . . : N/A  
Shelf Life. . . . . : Indefinite  
Handling Precautions. . . . . : Avoid breathing dust if created. Wash skin with soap and water after handling.  
Storage Precautions . . . . . : No special precautions.

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.