

**Material Safety Data Sheet**  
**March 1, 2002**

Chemical Name .....: Pure Neem Oil  
Formula .....: Pure Neem Oil  
CAS Number (s) .....: 8002-65-1

**Section 1: Manufacturer or Supplier**

Dyna-Gro Nutrition Solutions, 1065 Broadway, San Pablo, CA 94806, Emergency Phone (510) 233-0254

**Section 2: Hazardous Ingredients**

Contains no hazardous mixtures

**Section 3: Physical Data & Ingredients**

Physical State at STP .....: Liquid	pH .....: 6.5 - 7.5
Appearance .....: Brown	Specific Gravity .....: 0.9137
Odor .....: Garlic	Solubility in Water ....: Slightly Soluble
Boiling Point .....: > 392° F	Vapor Pressure at 20° C: < 1.33 EE-5 Pa
Melt/Freeze Point .....: 55° F	Vapor Density. ....: Greater than air

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

Flash Point .....: >239° F  
Extinguishing Media to Use .....: Dry Chemicals, CO<sub>2</sub>, Water or Foam  
Special Fire Fighting Procedures. ....: None  
Unusual Fire & Explosion Risk .....: None  
Incompatibility .....: None Noted  
Hazardous Decomposition Products ..: N/A  
Conditions to Avoid .....: None

**Section 5: Health Hazard Data**

Effects of Over-Exposure: None Noted.

Health Effects or Risks from Exposure:

Acute Eye Contact .....: May cause mild, reversible eye irritation.  
Chronic Eye Contact .....: Chronic exposure not likely from normal use.  
Acute Skin Contact .....: May cause mild, reversible skin irritation. LD50 >2g/kg  
Chronic Skin Contact .....: Repeated exposure may cause mild sensitization.  
Acute Ingestion .....: LD50 >5g/kg  
Chronic Ingestion .....: Chronic exposure not likely from normal use.  
Carcinogenicity .....: NTP: N/A IARC: N/A OSHA: N/A

Medical Conditions Aggravated by Exposure: None Noted.

### Section 5: Health Hazard Data---continued

#### Emergency First Aid:

If Swallowed: Less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, drink one or two glasses of water and get medical attention.

Skin Exposure: Wash with soap and water. Get medical attention if irritation develops or persists.

Eye Exposure: Flush eyes with plenty of water. Get medical attention if irritation persists.

If Inhaled: Remove to fresh air. Get medical attention if irritation persists.

### Section 6: Spill or Leak Procedures

Environmental Hazard: Do not apply directly to water, or to areas where surface water is present. This product is toxic to bees exposed to direct treatment.

Spillage: Absorb the liquid and scrub the area with detergent and water. Avoid runoff into storm sewers and ditches that lead to waterways.

Waste Disposal Method: Wastes resulting from the use of this product may be disposed of onsite or at an approved waste disposal facility.

### Section 7: Special Protection Information

Respiratory Protection . . . . . : No special requirements.

Ventilation . . . . . : No special ventilation requirements.

Eye Protection . . . . . : Use of safety goggles is recommended.

Skin Protection . . . . . : Use of rubber gloves is recommended.

### Section 8: Handling & Storage Conditions

Storage Temperature (Min./Max.): 55° F / 95° F

Shelf Life . . . . . : Stable under normal storage conditions for upwards of two years.

Special Sensitivity . . . . . : Keep from freezing.

Handling & Storage Precautions . . : None.

### Section 9: Transportation Information

D.O.T. Proper Shipping Name . . . : N/A

Technical Shipping Name . . . . . : Pure Neem Oil

D.O.T. Hazard Class . . . . . : N/A

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