



2133 S. Hathaway Street
Santa Ana, CA 92705
Tel: (714) 545-5335
Fax: (714) 545-5429

MATERIAL SAFETY DATA SHEET

Last Revision: January 1, 2008 Emergency phone: 714 545-5335

Name: **Plant Success Soluble**

Chemical Description: Mixture of humic, seaweed and yucca extracts; vitamins and beneficial spores.

Hazardous Component(s):	Approximate%
Vitamin B1 (Thiamine)	2%
Vitamin C (Ascorbic Acid)	10%
Vitamin E (a-Tocopherol)	<1%

Physical/Chemical Characteristics

Boiling point:	Not applicable
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Evaporation rate:	Not applicable
Melting Point:	Decomposes >400F
Specific Gravity/Density(H2O=1):	0.6 (38 lb/cu.ft.)
PH:	10%Dispersion-5.0 to 5.5
Solubility in Water:	Dispersion up to 50%
Appearance:	Dark gray powder
Odor:	Slight

Fire and Explosion Information

Flash Point:	Not Applicable
Flammable Limits:	Carbonizes; Smolders when directly heated in flame.
Extinguishing Media:	Water, CO2
Special Fire Fighting Procedures:	No special methods required.
Special Fire and Explosion Hazards:	Chars when directly heated. Dust explosions are possible when product is finely dispersed in air with ignition source present.

Carcinogen Status:

Ingredients not listed as carcinogenic. Not OSMA regulated.

Reactivity Data

Stability:	Stable at ordinary temperatures.
Conditions to Avoid:	Contact with strong oxidizers.
Incompatibility:	Strong acids and alkalis.
Hazardous Decomposition:	Ammonia, COx, SOx, and NOx may be formed if product is strongly heated or oxidized.
Hazardous Polymerization:	Will not occur.

Health Effects/First Aid Information

Routes of Entry: Eyes, Skin, Ingestion & Inhalation

Health Hazards

Eyes: Will irritate on contact-Wash out quickly.
Skin: Brief contact is non-hazardous. Repeated or prolonged contact may stain and irritate skin.
Ingestion: Non-toxic, but in large amounts can cause upper G.I. tract disturbance and concern of vitamin overdose.
Inhalation: Dust can cause irritation of mucus membrane, coughing, sneezing and difficulty with breathing. Persons allergic to spores may be sensitive.
Signs/ Symptoms of Exposure: Eye irritation and/or sneezing, coughing, and difficulty breathing.
Carcinogenicity: Ingredients not listed as carcinogenic in NTP or IARC listings. Not OSHA regulated.

Emergency and First Aid Procedures

Eyes: Flush immediately with water for 15 minutes, lift lids. See physician if irritation persists.
Skin: Wash gently with mild soap/detergent and flowing water. Wash contaminated clothing.
Ingestion: For small amounts drink plenty of water. More than a mouthful should be purged by vomiting, but only if victim is conscious. Get medical help.
Inhalation: Help victim to fresh air. If breathing is difficult administer oxygen. Consult physician.

Precautions For Safe Handling And Use

Respiratory Protection: Not normally needed. If dusting occurs, use approved respirator to eliminate exposure.
Ventilation: Exhaust fan recommended to control any dusting.
Protective Gloves/Clothing: Rubber or plastic recommended if repeated or prolonged contact is expected.
Eye Protection: Chemical splash goggles recommended where dusting is expected, otherwise safety glasses suffice.
Work Practice: Use good housekeeping practices. Keep containers tightly closed.
Spills: Avoid creating dust when cleaning up. Scoop, shovel or sweep to labeled containers for recycling/salvage if not contaminated by other material. Small quantities may be flushed to drain.
Waste Disposal method: Package material for removal to approved landfill.

Precautions in Storing and Handling: Avoid storage in hot or moist areas.