

# MATERIAL SAFETY DATA SHEET

MANUFACTURED BY:  
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## 1. PRODUCT IDENTIFICATION

**PRODUCT TRADE NAME:** Age Old Soluble mycorrhiza      **DATE PREPARED:** May 15, 2003  
**CHEMICAL FAMILY:** Proprietary Microbial Formulation  
**FORMULA:** NA, Formulated Mixture.      **National Fire Protection Association Rating**  
**SYNONYMS:** Bio-Treatment, Water Soluble      Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum  
**CAS NUMBER:** NA, Formulated Mixture.      Health 1  
**EPA NUMBER:** None required.      Flammability 0  
Reactivity 0

## 2. INGREDIENTS AND HAZARDS

INGREDIENT	CAS#	PERCENT	TLV(ACGIH)
Bacterial cultures	68920-42-3	43.5%	N/A
Co-Polymer of Aspartic Acid	34345-47-6	8.5%	N/A
Proprietary blend of Metabolites		48.0%	

**HAZARD CLASSIFICATION:** IRRITANT

**HAZARDOUS INGREDIENTS**      **CAS #**      **LIMITS**  
Contains no hazardous components as listed in 29 CFR 1900.1000 or other pertinent sections of OSHA regulations.

## 3. PHYSICAL DATA

**APPEARANCE:** brown/white hygroscopic fine granular      **BULK DENSITY:** 1.60  
**ODOR:** Bland      **SOLUBILITY IN WATER:** 3.5 lbs per gallon  
**SPECIFIC GRAVITY:** N/A      **pH:** 5.5 in distilled water  
**BOILING POINT:** N/A      **VOLATILES:** None  
**FREEZING POINT:** N/A

NA = NOT APPLICABLE

## 4. FIRE AND EXPLOSION DATA

**FLASH POINT, F, COC:** None  
**FLAMMABLE LIMITS:** Not established  
**AUTO IGNITION TEMPERATURE:** Not established  
**EXTINGUISHING MEDIA:** Dry chemical, foam or carbon dioxide.  
**FIRE & EXPLOSION HAZARD:** Firefighters should use self-container breathing apparatus to avoid exposure to smoke and vapor.  
**FIRE & EXPLOSION HAZARD:** None known.  
**SPECIAL PROCEDURES:** Keep away from water. Material will dissolve.

## 5. REACTIVITY DATA

**STABILITY:** Product is stable.  
**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents.  
**DECOMPOSITION PRODUCTS:** None known.  
**HAZARDOUS POLYMERIZATION:** Will not occur.

## 6. HEALTH HAZARD DATA

**ROUTES OF EXPOSURE:** Ingestion, eyes, and skin.

### **SYMPTOMS**

**INGESTION:** May cause gastric distress as evidences by nausea and diarrhea.

**EYES:** May cause pain, excessive watering, redness and stinging.

**SKIN :** Prolonged exposure or repeated exposures may cause skin irritation and drying.

### **FIRST AID**

**EYES:** Irrigate immediately with water for at least 5 minutes. Consult physician if irritation persists.

**SKIN:** Wash off in flowing water or shower.

**INGESTION:** No adverse effect anticipated by this route of exposure incidental to proper industrial handling. For accidental ingestion of copious quantities by children, or appearance of systems noted in Section VI, contact a physician prior to taking any medical action.

**NOTE TO CARE AID ATTENDANTS:** Provide supportive care, consult and have available MSDS sheet and make said information known and available to attending medical support personnel.

## 7. PRECAUTIONS FOR SAFE HANDLING AND USE

**ACTION TO TAKE FOR SPILLS/LEAKS:** Contain spills by diking with dirt, sand or other absorbent material. Rope off area to prevent inadvertent spread of spill. Place leaking containers in overpak containers or transfer material to clearly marked new containers. Upon discovery of leak or spillage, notify proper supervisory personnel and if situation warrants, notify the proper Local or State hazardous waste response units prior to taking any action other than initial emergency response. All materials used to absorb leak or spill should be handled and disposed of in accordance to Local, State and Federal environment laws. Workers performing clean-up duties should be made aware of any potential health hazards and must wear the correct protective clothing and devices needed to perform the duties in a safe proper manner.

**PRODUCT DISPOSAL:** Excess product that cannot be used without violating label instructions must be disposed of in a manner that is in full compliance of Local, State and Federal laws.

**CONTAINER DISPOSAL:** Check with Local and State authorities for proper disposal prior to offering for recycling, incineration or sanitary land fill. Containers sent to local land fills should be triple rinsed, punctured and crushed prior to disposal.

**HANDLING & STORAGE:** Keep away from water. Material will dissolve in the presence of moisture. High humidity will cause product to cake.

## 8. CONTROL MEASURES

**RESPIRATORY PROTECTION:**

Not required

**VENTILATION:**

No special requirements

**PROTECTIVE GLOVES:**

Chemical resistant rubber gloves

**EYE PROTECTION:**

Chemical protective eye wear.

**WORK/HYGIENIC PRACTICES:**

Avoid contact with eyes, skin, clothing. Wash thoroughly after handling.

## 9. REGULATORY STATUS

This product does not contain material regulated under SARA Title 3 Section 313