

BioWorld Products

California • USA • Worldwide

MATERIAL SAFETY DATA SHEET

MultiFIX - Soluble Nutrients for Plant Growth & Microbial Enhancement

1: Company Identification

BioWorld Products
8244 W Hillside Ct
Visalia, CA 93291 USA
(559)651-2042
(559)651-9041 Fax

2: Hazard Identification

Potential Health Effects:

Eye - may cause slight irritation

Skin - exposure to open wounds may cause slight irritation.

Ingestion - not harmful if ingested in small quantities, may cause stomach upset

Inhalation - may cause slight mucous membrane irritation.

Chronic (Cancer) Information - unlikely to present a cancer hazard to humans.

3: Composition / Information On Ingredients

100% Natural Biotechnology Formulation

Extract from bioprocessing of organic matter including Amino Acids, Peptones, Peptides, Polysaccharides, Esters, Alcohols, Oils, Proteins, Fats, Organic Acids, Enzymes, Ethylenediaminetetraacetic acid, Thiamin Hydrochloride, Copper, Manganese, Magnesium, Molybdenum, Indole-acetic acid, Indole-3-butyric acid, Ammonium Laureth Sulfate, Surfactants

1.0% Ammonium Phosphate

1.4% Potassium Nitrate

12.6% Urea

5.0% Phosphoric Acid

5.0% Potash

0.1% Iron

0.05% Zinc

4: First Aid Measures

Inhalation - Allergic reactions to some ingredients may occur in sensitive individuals. Seek fresh air location.

Contact physician if condition persists.

Skin or Eye Contact - Wash with plenty of water for at least 15 minutes.

Ingestion - Drink plenty of water. Contact physician if condition persists.

5: Fire Fighting Measures

Non-flammable

Extinguishing Media - Water Spray, dry chemical, foam, CO₂

6: Accidental Release Measures

Safeguards - Review fire fighting measures and handling personnel sections before proceeding with clean-up.

Use appropriate personal protective equipment during clean-up.

Contain spill and mop up or vacuum. May be applied on cropland, highway landscape, golf course at rate up to 25 gallons/acre (240 liters/hectare). May be applied on open land 200 - 500 gallons/acre (1,900 - 4,700 liters/hectare)

7: Handling and Storage

Handling - Do not get in eyes or on skin. Individuals allergic to any listed ingredients should avoid contact.

Storage - Do not freeze or container may break. May be stored outside. Heat causes continuing bioprocesses creating gases and pressure within closed container

8: Exposure Control / Personal Protection

Engineering Controls - Use adequate ventilation to keep employee exposure to airborne concentrations below exposure limits.

Personal Protective Equipment - Have the following available and wear as appropriate: Rubber gloves, dust mask, safety glasses and apron.

Exposure Guidelines and Limits - None

9: Physical and Chemical Properties

Boiling Point - 212°F / 100°C

Vapor Pressure - 17 mm Hg

Vapor Density - N/A

Solubility in Water - 100%

Specific Gravity - 1.205

Melting Point - N/A

Evaporation Rate - N/A

Water Reactive - No

Appearance and Odor - Blue in color with vitamin odor

10: Stability and Reactivity

Chemical Stability - Stable

Incompatibility with Other Materials - None known.

Polymerization - Will not occur.

11: Toxicological Information

Mixture not tested but, based on components, may cause slight irritation to skin and eyes. Ingestion may cause nausea or diarrhea. Inhalation may cause slight irritation. None of the components of this material are listed by IARC, NTP, OSHA or ACGIH as carcinogens.

12: Ecological Information

Biodegradable, non-toxic, non-hazardous, non-corrosive, non-pathogenic.

13: Disposal Considerations

Waste Disposal - Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Can be applied to open field.

14: Transport Information

Shipping - Class 55

UN # - N/R

DOT Label - N/R

Oxidizer - No

Poison - No

Flammable - No

Corrosive - No

15: Regulatory Information

Not classified as hazardous to users or for transport.

US Federal Regulations - CERCLA and SARA Regulations (40 CFR 355, 370 and 3372); Does not contain any chemicals subject to the reporting requirements of SARA 313.

16: Other Information

NPCA-HMIS Rating

Health - 0

Flammability - 0

Reactivity - 0

Personal protection rating to be supplied by user depending on use conditions.

State Right-to-Know Laws - No substances on the state hazardous substances list are used in the manufacture of products on this Material Safety Data Sheet. While we have not specifically analyzed these products, the raw materials used in their manufacture, to the best of our knowledge, the products on this MSDS contain no such substances except for those specifically listed.

Warning - Substances known to the state of California to cause cancer, birth defects or other reproductive harm do not exist in the product.

The information is furnished gratuitously, independent of any sale, and for your independent verification. Although we believe the data to be correct as of the date indicated, we make no representation as to the accuracy and such information may not be valid when the product is used in any process or combined with other materials. No representations, guarantees, or warranty, either expressed, implied, or of any nature, are made with respect to the product or date provided.