

MATERIAL SAFETY DATA SHEET

Actinovate® SP

I. PRODUCT INFORMATION

General Use: Biological fungicide
Chemical Formulation: N/A.
Common Name: Actinovate® SP
Molecular Weight: N/A

II. PHYSICAL PROPERTIES

Bulk Density: 5.5
Solubility in H₂O: 100% soluble
pH (apparent): 8.3
Appearance: pale white
Odor: slight odor of rich soil
Boiling Point (degC): N/A
Melting Point (degC): N/A
Evaporation Rate: N/A
Vapor Pressure: N/A

III. INGREDIENTS

<u>Components</u>	<u>% Range</u>
Inert Ingredients (confidential)	00.0371
<i>Streptomyces Lydicus WYEC 108</i>	99.9629

IV. HEALTH AND HAZARD INFORMATION

A. Toxicity: none
B. Carcinogenicity: N/A not listed by NTP, LARC, OSHA, ACGIH, ORHIOSH
C. Primary Route(s) of Exposure: Skin Contact, Ingestion
D. Health Effects of Over Exposure:
1. Inhalation: Nasal Irritation
2. Ingestion: Irritation of mucous membranes.
3. Skin: No negative side effects. Wash with soap and water.
4. Eyes: Slight irritation may occur. Flush with water.

E. Emergency and First Aid Measures:

1. Inhalation: Flush nose with water
2. Ingestion: Ingestion has shown no mammalian toxicity
3. Skin: Wash with soap and water.
4. Eyes: Flush with water for five minutes

V. FIRE AND EXPLOSION DATA

A. Fire: Not considered a fire hazard.
B. Explosion: Not considered an explosion hazard.
C. Fire Extinguishing Media: Water, CO₂, or dry chemicals may be used.
D. Precautions: No precautions are necessary under normal conditions of use. As with any dust avoid high concentrations

VI. PERSONAL PROTECTIVE GEAR

A. Eyes and Face: Though not necessary, safety glasses may be worn.
B. Respiratory: No respirator is required under normal conditions of use.
C. Skin: Though not necessary, gloves may be worn.
D. Shoes: Safety shoes are not necessary.

VII. STORAGE AND HANDLING

Actinovate® SP may be stored in all types of containers made of various materials of construction. Avoid contact with strong oxidizing agents.

VIII. SHIPPING INFORMATION

A. DOT Shipping Name: None
B. DOT Hazard Class: None
C. DOT Category: None
E. Reportable Qualities (RQ): None
F. HMIS: Personal Protective Code - A (Safety Glasses)
G. NFPA Rating: 0 (Health) - 0 (Flammability) - 0 (Reactivity)

IX. ENVIRONMENTAL PROTECTION PROCEDURES

A. Spill Response: No negative environmental impact. No special cleanup requirements
B. Waste Disposal: No negative environmental impact. No special preparation required for disposal.

This information presented in this Materials Safety Data Sheet (MSDS) is subject to revisions and is not all inclusive, but represented as the best information available to date. This information was drawn from recognized sources, believed to be reliable. However, Natural Industries, Inc. will not be responsible for damages of any kind resulting from the use or reliance upon such information. The product discussed is sold without warranty, expressed or implied, and upon conditions that purchasers shall perform their own verification and testing to determine its suitability for a particular purpose.

Prepared by: Fred Sims Effective Date: February 16, 1998
Revisions: Matthew Kowalski - Natural Industries Inc. (281) 580-1643