

**MATERIAL SAFETY DATA SHEET**

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Supersedes New

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**SECTION I. PRODUCT IDENTIFICATION**

Product Code: #098826  
Product Name: OPTiMIN<sup>®</sup>-4  
Chemical Name: Zinc Proteinate  
Manganese Proteinate  
Copper Proteinate  
Cobalt Proteinate

Formula: Compound

For Information on Health Hazards, call 618-654-2070

**SECTION II. HAZARDOUS COMPONENTS OF COMPOUND**

N/A

**SECTION III. PHYSICAL DATA**

Appearance and Odor: OPTiMIN<sup>®</sup>-4 is a light green powder with a mild grain derivative aroma.  
Boiling Point: N/A  
Bulk Density: 31 lbs./ft<sup>3</sup>

**SECTION IV. FIRE AND EXPLOSIVE HAZARD DATA**

Flash Point: Non-flammable  
Unusual Fire and Explosive Hazards: None  
Fire Extinguishing Agents recommended: As appropriate for surrounding material.

## **SECTION V. HEALTH HAZARD DATA**

Inhalation: May cause irritation of the nasal membranes and upper respiratory tract if dust exceeds the nuisance level of 10 mg per cu. meter. Use approved dust respirator.

Ingestion: Large amounts may be harmful. Get medical attention.

Skin: Normally no harmful effects

Eyes: Contact may cause irritation.

Unusual chronic toxicity: None

## **EMERGENCY AND FIRST AID PROCEDURES**

Swallowing: Rinse mouth and throat thoroughly with tap water. Wash skin with soap and water. Remove contaminated clothes and wash.

Inhalation: Remove from contaminated area to fresh air. Seek medical attention if allergic response exhibited.

Eyes: Flush eyes with low pressure water for at least 15 minutes. If irritation persists, seek medical attention.

## **SECTION VI. REACTIVITY DATA**

Stability: Stable

Conditions to avoid: Keep dry to avoid mold. Avoid extreme heat.

Hazardous Decomposition products: None

Incompatibility: None

## **SECTION VII. SPILL OR LEAK PROCEDURES**

Steps to be taken if material is released or spilled: Sweep, scoop, or vacuum discharged material. Keep dust to a minimum. Dispose by methods consistent with federal, state, and local regulations.

## **SECTION VIII. SPECIAL PROTECTION INFORMATION**

Respiratory Protection: Use NIOSH-MSHA approved dust respirator if irritation exists.

Eyes and Face: Use glasses, goggles, or face shields if irritation exists.

Ventilation: Use adequate ventilation.

## **SECTION IX. SPECIAL PRECAUTIONS**

Caution: Do NOT get into eyes. Use adequate ventilation. Wash thoroughly after handling.

Legal responsibility is assumed only for the fact that all studies reported here and all opinions are those of qualified experts. Buyer assumes all risks and liability. He accepts and uses this material on these conditions. He must have a copy of this MSDS where this material is handled.