

**MATERIAL SAFETY DATA SHEET**

**MANUFACTURED BY:** Trouw Nutrition USA, LLC  
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**SECTION I. PRODUCT IDENTIFICATION**

Product Code: #11004612  
Product Name: OPTiMIN<sup>®</sup> Zinc/Manganese Proteinate  
Chemical Name: Zinc Proteinate, Manganese Proteinate  
Animal Feed Supplement  
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> Zinc/Manganese Proteinate is a light beige powder with a mild grain derivative aroma.

Boiling Point: N/A

Bulk Density: 37 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.

Skin: 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.

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



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*Revised June 15, 2006  
Supersedes July 30, 2001*

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.



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