

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: OPTIMIN® Zinc Proteinate
PRODUCT CODE: 10062610
CHEMICAL FAMILY: Trace minerals
CHEMICAL NAME: Zinc Proteinate
SYNONYMS: Proteinated zinc trace mineral
TYPICAL USES: Animal feed supplement
DISTRIBUTOR: Trouw Nutrition USA, LLC
115 Executive Drive P.O. Box 219
Highland, IL 62249
(618) 654-2070
EMERGENCY CONTACT: CHEMTREC (800) 424-9300 within USA and Canada
+1 (703) 527-3887 Outside USA and Canada (collect calls accepted)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Zinc proteinate - 15% zinc
This product, Optimin Zinc Proteinate does not contain any hazardous ingredients under OSHA regulations

SECTION 3. HAZARDS IDENTIFICATION

An off-white powder which is not hazardous: No hazard expected, however. Dust may cause eye irritation. Although no hazards expected, breathing dust may cause respiratory and skin irritation. No hazard expected from swallowing.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes with clean, low-pressure water while occasionally lifting eyelids. If irritation persists, get medical attention.
Inhalation: No adverse effects anticipated by breathing small amounts during proper industrial handling. If there is difficulty breathing, remove from contaminated area to fresh air and get medical attention.
Skin: Wash skin with water, use soap if available.
Ingestion/Swallowing: No adverse effects anticipated. Rinse mouth and throat thoroughly with tap water

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties: Flash point – not applicable/available – Non-flammable
Flammable Limits: Not applicable/available
Unusual Fire and Explosive Hazards: None
Other Fire and Explosion Hazards: None
Fire Extinguishing Media: As appropriate for surrounding material.

SECTION 6. ACCIDENTAL RELEASE MEASURES

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

This product is a non-hazardous waste when disposed of as defined in Resource Conservation Recovery Act (RCRA) regulations (40 CFR 261)

SECTION 7. HANDLING AND STORAGE

General Handling Precautions: Use adequate ventilation and dust collection. Practice good housekeeping.
Storage Information: Store in a cool dry location away from incompatible materials.
Shelf life: No known limit. Clumping may occur under humid conditions. Use within 2 years recommended.
Special Sensitivity: None

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide ventilation and particulate control to maintain airborne levels below the exposure guidelines of 10 mg per cubic meter.
Eye Protection: Contact may cause irritation. Use safety goggles or glasses.
Respiratory/inhalation Protection: May cause irritation of the nasal membranes or the upper respiratory tract, if dust exceeds the nuisance level. Use NIOSH-MSHA approved dust respirator.

Skin Protection: Normally no harmful effects expected. As a general precaution, use gloves.
Ingestion: Large amounts may be harmful. Get medical attention.

Revised: December 18, 2013
Supersedes: June, 15, 2006

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Unusual Chronic Toxicity: None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical form: A free-flowing powder
Color: Off-white
Odor: A mild grain derivative odor
Bulk density: 0.69 - 0.71 (g/cc)
Particle mesh size 100
Stability: Stable

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Material Incompatibility: None
Conditions to avoid: Keep dry to avoid mold
Hazardous Decomposition Products: None

SECTION 11. TOXICOLOGICAL INFORMATION

Nontoxic at recommended levels - Test results- contains <0.25ng/kg of Dioxin

SECTION 12. ECOLOGICAL INFORMATION

Because chelated OPTIMIN[®]s are more bioavailable than inorganic trace minerals, less environmental pollution would be expected

SECTION 13. DISPOSAL CONSIDERATIONS

Not considered a hazardous waste under Federal Hazardous Waste Regulations (40 CFR 261). Consult state and local regulations regarding proper disposal as they may be more restrictive or otherwise different from Federal regulations.

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

SECTION 14. TRANSPORT INFORMATION

Not a D.O.T. Hazardous Material (49 CFR 172.101). Not regulated
Labeling: Containers of this product need no special warning labels. Only a product identity label is needed.

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations
FDA/USDA: Follow current Good Manufacturing Practice (cGMP).

International Regulations
Approved under European Regulation No. 1334/2003.

State Regulations
There are no known additional requirements necessary for compliance with states regulations.

SECTION 16. OTHER INFORMATION

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

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