

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: 10062410
PRODUCT NAME: OPTiMIN® Magnesium Proteinate
CHEMICAL NAME: Magnesium Proteinate

TYPICAL USES: Animal feed supplement

MANUFACTURER: Trouw Nutrition USA, LLC
115 Executive Drive P.O. Box 219
Highland, IL 62249
(618) 654-2070 [USA]

EMERGENCY CONTACT: (618) 654-7150 USA – (Plant)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance and Odor: A cream colored powder with a mild grain derivative aroma.
Boiling Point: NA
Bulk Density: 33.4 lbs/ft³

SECTION 3. HAZARDS IDENTIFICATION

Potential Health Effects: For information on Health Hazards, call 618/654-7150

Eye: No hazard expected. Dust may cause eye irritation.
Inhalation: Breathing dust may cause respiratory irritation.
Skin: No hazard expected. Dust may cause skin irritation.
Ingestion: Large amounts may be harmful. Get medical attention.
Systemic: None known.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes with clean, low-pressure water for at least 15 minutes 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 if allergic response exhibited.

Skin: Wash skin with water, use soap if available. If extensive skin contact occurs, remove contaminated clothing and wash contacted skin with soap and water.

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; Method – Not applicable
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.

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 and 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. As a general precaution, use gloves.

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

Unusual Chronic Toxicity: None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: A cream colored powder with a mild grain derivative odor

Physical state: Solid

Bulk Density: 33.4 lbs/ft³

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 -

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 consistent 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.



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SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

FDA/USDA: Follow current Good Manufacturing Practice (cGMP).

International Regulations

Approved under European Regulations No. 2316/98 (26 October 1998)

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.

Prepared by: Quality/Regulatory Affairs Department – (618/654-2070) [USA]



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