

# SAFETY DATA SHEET



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## NEM GUARD GOLD

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Nem Guard Gold

**Product Use:** Biological Soil Amendment.

**Supplier:** AGRO RESEARCH INTERNATIONAL Inc.

Address: 29203 State Road 46.

Sorrento, FL 32776

Telephone: 1 407 302 6116

Emergency Phone: 1 407 435 9105

E-Mail: [marc@agroresearchinternational.com](mailto:marc@agroresearchinternational.com)

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	%	CAS #
Blend of beneficial bacillus bacteria in solution	3.33	N/A
Chitosan acetate in solution	2.5	N/A

### SECTION 3: HAZARDS IDENTIFICATION

Physical state: Clear to pale yellow viscous liquid with vinegar odor. Not irritating to eyes and skin. Under normal use conditions, It does not represent a chemical or biological hazard.

**Potential health effects:**

**Eyes:** It can cause eye irritation, ardency, and redness.

**Skin:** Not available.

**Ingestion:** Not available.

**Inhalation:** Not available.

### SECTION 4: FIRST AID MEASURES

**Eye contact:** if you wear contact lenses remove them immediately. Rinse with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention if irritation persists.

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**Skin contact:** Immediately wash with water. Remove contaminated clothing and wash before use. Seek medical attention if irritation develops.

**Inhalation:** Not irritating under normal storage conditions, however, take the person to fresh air immediately. Seek medical attention if discomfort persists.

**Ingestion:** Give plenty of water, never induce vomiting. Seek medical attention if consumed in large quantities.

### SECTION 5: FIRE-FIGHTING MEASURES

**Fire and explosion:** Flammable. **Flash Point:** Not available.

**Fire Extinguishing:** Use media appropriate for surrounding fire as dry chemical, carbon dioxide or extinguishing foam.

**General information:** In case of fire, wear breathing apparatus. Be careful with the slippery floor when a spill occurs in wet areas during firefighting.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment recommended. Stop the spill immediately. Pump the product into drums for disposal. Wash the affected area with plenty of water and household bleach at a dose of ½ cup household bleach per 20 liters of water area. Although not considered dangerous, not pour into rivers or lakes, keep away from drains, surface, and groundwater.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid direct eye contact. Wash thoroughly exposed parts after handling and complies with the recommendations issued by the area of industrial safety.

**Storage:** Store in a cool, clean, dry place. Store in sealed original containers in a place with a temperature between 10 and 25 ° C and away from direct sunlight. It must be protected against physical damage and properly labeled. freezing is not allowed and does not require low-temperature storage.

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### SECTION 8: CONTROL DE EXPOSICIÓN/PROTECCIÓN PERSONAL

#### Control Engineering:

Provide adequate ventilation. Install emergency showers and eye wash close to storage and handling areas.

#### Personal Protection:

Eye Protection: It is recommended to use safety glasses with side shields, but are not required.

Skin Protection: Wear clothing and PVC, latex or nitrile gloves during work.

Respiratory Protection: The product is not irritating, however, the use of conventional masks as a recommendation of Good Manufacturing Practices.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Color:</b>	Pale yellow
<b>Odor:</b>	Characteristic of vinegar
<b>Boiling point (°C):</b>	100
<b>Density:</b>	1,0 g/ml
<b>Freezing point</b>	3°C
<b>Water solubility</b>	Complete at pH < 6
<b>pH</b>	4,0 – 5,0

Microorganisms exempt from CDR requirements –40 CFR 725, all microbials are considered naturally-derived, nonpathogenic, non-toxic, non-GMO, non-hazardous and non-corrosive. All microorganisms are not considered to be pathogenic for livestock or poultry.

### SECTION 10: STABILITY AND REACTIVITY

**Chemical stability:** This product is stable under normal storage conditions. It is not polymerized.

**Hazardous decomposition products:** Any

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**Avoiding conditions:** High temperatures or excessive heat.

**Incompatibilities:** Avoid strong oxidizing agents and strong acids.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Toxicological data:** Not available.

**Effects of chronic exposure:**

Skin irritation: Any.

Inhalation Effects: Any.

Carcinogenicity: N/A.

Mutagenicity: N/A.

Synergistic materials: Soaps.

### SECTION 12: ECOLOGICAL INFORMATION

Nem Guard Gold is completely biodegradable. The degradation products are non-toxic.

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of waste in accordance with local regulations. In general, it can be removed through the wastewater down the drain or in an approved landfill, as the organic matter of this product is biodegradable.

### SECTION 14: TRANSPORT INFORMATION

During charging, transfer, transport, unloading, dissolving, mixing and sampling, it is not dangerous as long as precautions are taken use disclosed herein.

### SECTION 15: REGULATORY INFORMATION

The product is not dangerous and does not require special labels. This product has been classified according to the hazard criteria of HAZMAT and this material safety data sheet contains all of the required information.

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### SECTION 16: ADICIONAL INFORMATION

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Prepared by Agro Research International Inc.

#### References:

The information contained in this safety data sheet material was obtained from sources believed to be accurate and reliable from a technical point of view. Despite that they have been deployed all efforts to ensure full disclosure of product hazards, in some cases, no data are available, which is declared. Whereas the conditions under which the product is used in practice are beyond the control of the supplier, it is assumed that users of this material have been fully trained according to the standards of industrial safety of each user. No express or implied warranties are given, and the provider is not liable for losses, injuries or consequential damages that may result from using or reliance on information contained herein.

#### Abbreviations:

**CDR:** Chemical Data Reporting. Resolution issued under Control Act TSCA (Toxic Substances Control Act), which requires manufacturers (including importers) to provide information to the EPA (The United States Environmental Protection Agency), about chemical substances manufactured in the country or imported into the United States. EPA uses the data to help assess the potential human health and the environment of these chemicals and makes the non-confidential commercial information is available to the public.

**40 CFR 725:** Code of Federal Regulations. Requirements and review procedures microorganisms.

**GMO:** Genetically Modified Organism.

**HAZMAT:** Hazardous Materials.