

SAFETY DATA SHEET



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STIM GUARD

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Stim Guard

Product Use: Liquid product used as part of a nutrition program and protection of plants and crops.

Supplier: AGRO RESEARCH INTERNATIONAL LLC

Address: 29203 State Road 46.

Sorrento, FL 32776

Telephone: 1 407 302 6116

Emergency phone: 1 407 435 9105

E-Mail: marc@agroresearchinternational.com

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	%	CAS #
Seaweed extract (<i>Ascophyllum nodosum</i>)	0 - 58	N/A
Thyme oil extract	0 - 9	8007-46-3
Sodium Citrate	0 - 8	994-36-5

SECTION 3: HAZARDS IDENTIFICATION

Physical state: Dark brown liquid, with a characteristic odor seaweed and thyme, non-corrosive and chemically stable in your form liquid. It can cause minor skin irritation and eye in pure form.

Potential health effects:

Eyes: Redness and irritation.

Skin: It can cause dryness.

Ingestion: Causes nausea, vomit, abdominal pain, diarrhea, and drowsiness.

Inhalation: Causes throat irritation, headache, nausea, and possible drowsiness.

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. Apply after moisturizer cream on the affected area. Seek medical attention if irritation develops.

Inhalation: if inhaled bring the person immediately to take fresh air. 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

Flammability of the product: Flammable.

Flash Point: (ASTM D-93, °C): ≥ 62 (143.6°F)

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

General Information: In the case of a fire, wear breathing apparatus. Avoid direct contact with the product, product mists, and thermal decomposition products, which may produce sulfur oxide and other organic substances.

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. Do not dump into rivers or lakes, keeping 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 clean and dry place. Store in original sealed containers, in a place where the temperature is below 30°C. Do not store with incompatible materials such as strong oxidizing agents, strong acids, and alkalis. It must be protected against physical damage and properly labeled.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control engineering:

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

Personal Protection:

Eye Protection: Use safety glasses with side shields when handling large quantities.

Skin Protection: Wear clothing and gloves PVC, latex or nitrile gloves during work. Gloves and protective clothing should be worn when working with a prolonged contact in your pure form.

Respiratory Protection: Ventilation should be adequate if you work for a long time use a gas mask respirator with the black cartridge.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Dark brown
Odor:	Characteristic seaweed and thyme
Freezing point:	0°C
Boiling point (°C)	100°C
Density	1.1 g/ml at 21°C
Solubility in water	Complete
pH	8.5 – 10

SECTION 10: STABILITY AND REACTIVITY

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

Hazardous decomposition products: Excessive heat decomposition can produce carbon monoxide, carbon dioxide, oxides of carbon and sulfur, nitrogen oxides and other organics substances.

Conditions of avoiding: High temperatures or excessive heat.

Incompatibilities: Reactive with strong oxidizing agents, alkalis and strong acids.

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute Dermal LD₅₀ greater than 5000 mg/kg body weight in male and female rats.

Acute Inhalation LD₅₀ greater than 2,01 mg / Lt in male and female rats.

Effects of chronic exposure:

Skin irritation: Frequent contact for prolonged periods can cause skin dryness, redness, and dermatitis, also it can cause sensitization in some individuals.

Inhalation effects: The daily inhalation in large amounts can cause drowsiness, dizziness, nausea and headache.

Carcinogenicity: Not predictable.

Mutagenicity: N/A.

SECTION 12: ECOLOGICAL INFORMATION

Completely biodegradable.

The degradation products are not 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

Any.

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SECTION 16: ADICIONAL INFORMATION

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Prepared by Agro Research International Inc.

References:

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Abbreviations:

LD₅₀: Median Lethal Dose of a substance or radiation that is fatal to half of a group of test animals.