

# SAFETY DATA SHEET



PAGE 1 of 7

## SEA TONIC GOLD

### SECTION 1: PRODUCT IDENTIFICATION

**Product identifier:** Sea Tonic Gold  
**Distributed by:** AGRO RESEARCH INTERNATIONAL LLC  
29203 State Road 46  
Sorrento, FL. 3277  
**Phone:** 1 407 302 6116  
**Recommended uses and restrictions:** Fertilizer  
**Emergency number:** **1 407 435 9105** (Monday -Friday 9am – 5pm)

### SECTION 2: HAZARDS IDENTIFICATION

**Classification (GHS):** No direct hazardous components are known  
**Signal word (OSHA):** N/A  
**Hazards statements:** N/A  
**Hazard symbols:** None  
**Precautionary statements:** P101: If medical advice is needed: have product container or label at hand.  
P102: Keep out of reach of children.  
P103: Read label before use.  
Do not handle until all safety precautions have been read and understood.  
If exposed or concerned: Remove person from exposed area in case of inhalation.  
**Other classifications:** N/A  
**NFPA Rating:** N/A  
**HMIS Rating:** N/A

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CHEMICAL NAME	CONCENTRATION %	CAS #
Aqueous extract of seaweed <i>Ascophyllum nodosum</i>	N/A	99.0 %	N/A
Blend of beneficial bacillus and lactobacillus bacteria in solution	N/A	1.0%	N/A

# SAFETY DATA SHEET

## SEA TONIC GOLD



PAGE 2 of 7

### SECTION 4: FIRST AID MEASURES

<b>First-aid measures after inhalation:</b>	Non-irritating, however, if irritation develops, remove person to fresh air and keep comfortable for breathing.
<b>First-aid measures after skin contact:</b>	Wash skin thoroughly with mild soap and water. Remove contaminated clothing and launder before reuse. Call a physician if irritation develops.
<b>First-aid measures after eye contact:</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse thoroughly with plenty of water for at least 15 minutes and take medical advice. Call a physician if irritation persists.
<b>First-aid measures after ingestion:</b>	Rinse mouth. Do not induce vomiting. Call a physician immediately.

#### Most important symptoms/effects:

Symptoms/effects after inhalation:	None
Symptoms/effects after skin contact:	None
Symptoms/effects after eye contact:	None
Symptoms/effects after ingestion:	Ingestion of moderate amounts may cause nausea and vomiting.

**Indication of immediate medical attention and special treatment needed:** None required under normal conditions of use.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Suitable extinguishing media:

Water fog, water spray, dry chemical powder, carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media:

N/A

#### Fire hazard:

Avoid high temperature.

#### Explosion hazard:

No direct explosion hazard.

# SAFETY DATA SHEET



PAGE 3 of 7

## SEA TONIC GOLD

**Hazardous decomposition products in case of fire:** None

**Special protective equipment and precautions for firefighters:**

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment, and emergency procedures:**

Evacuate unnecessary personnel.

**For non-emergency personnel:**

**Protective equipment :** Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency procedures :** Ventilate spillage area.

**For emergency responders:**

**Protective equipment :** Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

**Emergency procedures :** Ventilate spillage area and stop leak if safe to do so.

**Environmental precautions:** This material is not considered a hazardous material under the RCRA and may be disposed of landfills or sanitary services.

**Methods and materials for containment and cleaning up:**

Clean up the spill with soapy water. Disinfect spill area with clean water to which household bleach is added at a rate of a one-half cup per five gallons.

**Other information:** Dispose of materials or solid residues at an authorized site.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Keep containers closed when not in use to prevent contamination of the product and minimize the risk of spills. Wash thoroughly exposed parts after handling and complies with the recommendations issued by the area of industrial safety and good industrial hygiene practices.

# SAFETY DATA SHEET



PAGE 4 of 7

## SEA TONIC GOLD

**Hygiene measures:** Do not eat, drink or smoke when using this product. Wash hands thoroughly and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. Wash contaminated clothing before reuse.

**Storage:** Store in a clean and dry place. Keep only in the original container, in a cool well-ventilated place where the temperature is below 95°F. It must be protected against physical damage and be properly labeled.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure limits:

Component	OSHA PEL	ACGIH TLV
Aqueous extract of seaweed <i>Ascophyllum nodosum</i>	N/A	N/A
Blend of beneficial bacillus and lactobacillus bacteria in solution	N/A	N/A

**PEL:** Permissible Exposure Limit

**TLV:** Threshold Limit Value over 8 hours of work

#### Engineering control:

Provide adequate ventilation of the work station or local exhaust ventilation.

#### Individual protection measures:

**Respiratory protection:** Ventilation should be adequate if you work for a long time. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or use a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants.

**Hand protection:** Impermeable protective gloves.

**Eye protection:** Safety glasses or goggles recommended to prevent eye contact.

# SAFETY DATA SHEET

## SEA TONIC GOLD



PAGE 5 of 7

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Color (Munsell system)	Red – 5R 2.5/1
Odor	Characteristic algae
Boiling point (°C)	100°C
Vapor pressure (mm Hg)	N/A
% Volatile (Wt%)	N/A
Density (g/mL)	1.10 – 1.15
Melting point	0°C
Viscosity (cps)	25 – 60
pH	12.0 – 14.0
Flash Point	N/A

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive under normal conditions of use.

**Chemical stability:** This product is stable under normal storage conditions.

**Possibility of hazardous reactions:** None known.

**Conditions to avoid:** High temperatures or excessive heat.

**Incompatible materials:** Strong oxidizing agents, strong acids.

**Hazardous decomposition products:** Carbon monoxide, carbon dioxide, and nitrogen oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

**Potencial health effects:**

None known.

**Symptoms of exposure:**

**Eyes:** No hazard identified.

**Skin:** No hazard identified.

**Ingestion:** Ingestion of moderate amounts may cause nausea and vomiting.

# SAFETY DATA SHEET



## SEA TONIC GOLD

**Inhalation:** Hazard unknown.

**Numerical measures of toxicity (acute toxicity/irritation studies):**

Not available.

**Effects of Chronic Exposure:**

Not available.

**Carcinogenicity:**

Not available.

**Mutagenicity:**

N/A

### SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Ascophyllum nodosum:**

Test	Subject	Value	Time
LC50	Daphnia magna	> 100 mg/L	48 hours
LC50	Danio rerio	> 100 mg/L	96 hours

**Bacillus and Lactobacillus:** No available. Microorganisms exempt from CDR requirements – 40 CFR 725. All microbial are considered naturally-derived, non-pathogenic, non-toxic, non-GMO, and non-hazardous.

**Persistence and degradability:** Not available

**Bioaccumulative potential:** Low potential. The degradation products are not toxic.

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with licensed collector's sorting instructions.

Do not allow uncontrolled discharge of product into the environment.

# SAFETY DATA SHEET



PAGE 7 of 7

## SEA TONIC GOLD

### SECTION 14: TRANSPORT INFORMATION

The Transportation of Dangerous Good Act classification for this product is: Not regulated. DOT Classification: Non-toxic, non-corrosive, chemical NOI, non-hazardous.

### SECTION 15: REGULATORY INFORMATION

The product is not dangerous and required no special labels. This product has been classified according to the hazard criteria of the Controlled products regulation and this material safety data sheet contains all of the information required by the Controlled products regulation.

### SECTION 16: OTHER INFORMATION

Date of Issue: July 20<sup>th</sup> 2021.

Prepared by Agro Research International LLC

#### 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, all efforts have been deployed 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 use or reliance on information contained herein.

#### Abbreviations:

**GHS:** Globally Harmonized System

**OSHA:** Occupational Safety and Health Administration

**NFPA:** National Fire Protection Association

**HMIS:** Hazardous Materials Identification System

**RCRA:** Resource Conservation and Recovery Act

**ACGIH:** American Conference of Governmental Industrial Hygienists

**NIOSH:** National Institute for Occupational Safety and Health

**CDR Requirements – 40 CFR 725:** Code of Federal Regulations: REPORTING REQUIREMENTS AND REVIEW PROCESSES FOR MICROORGANISMS

**DOT:** Department of Transportation

**NOI:** Notice of Intent – Chemical Safety Protocol