



# Bio-Regen PWT-1000

## Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### Product Identifier

**Product Name** Bio-Regen PWT-1000

**Product Name** Mixture

#### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

#### Details of the Supplier of the Safety Data Sheet

**Manufacturer** 3 Tier Technologies, LLC  
413 W. 13<sup>th</sup> St  
Sanford, Florida 32771

**Telephone (General)** 877-226-7498

#### Emergency Telephone Number

**Manufacturer** 407-808-4653

### SECTION 2: Hazard Identification

#### Classification of the Substance or Mixture

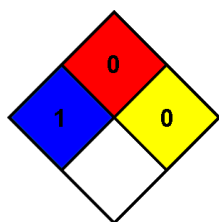
**Classification (GHS-US)** Not classified

**Label elements** No labeling applicable

**Hazard Statements** None

**Precautionary Statements** None

#### Other Information



#### NFPA Health Hazard

1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

#### NFPA Fire Hazard

0 - Materials that will not burn.

#### NFPA Reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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### SECTION 3: Composition/Information on Ingredients

**Substances** Material does not meet the criteria of a substance.

#### Mixtures

Bio-Regen PWT-1000 is a blended composition "not considered hazardous" under the OSHA Hazard Communication Standard CFR Title 29 1910.1200. All ingredients appear on the EPA TSCA Inventory.

Components	CAS Number	%	Hazardous
Organic Biopolymer	1415-93-6	60	No
Amino Acids	Various	35	No
RO Water	7732-18-5	5	No

*Ingredients of <1% have been added to a non-hazardous liquid organic substrate. Active components >5% are identified above.*

*See Section 11 for Toxicology Information*

### SECTION 4: First aid measures

#### Description of First Aid Measures

<b>Inhalation</b>	Remove to fresh air and keep at rest in a comfortable position for breathing.
<b>Skin (or clothing)</b>	Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.
<b>Eye</b>	Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.
<b>Ingestion</b>	Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

#### Most Important Symptoms and Effects, both Acute and Delayed

Refer to Section 11: Toxicological Information.

#### Indication of Any Medical Attention and Special Treatment Needed

##### Notes to Physician

All treatments should be based on observed signs and symptoms of distress in patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### SECTION 5: Fire-Fighting Measures

#### Extinguishing Media

**Suitable Extinguishing Media** Carbon dioxide. Dry powder. Foam

**Unsuitable Extinguishing Media** Not applicable.

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### Special Hazards Arising From the Substance or Mixture

**Unusual Fire and Explosion Hazards** Not applicable.

**Hazardous Combustion Products** Not applicable.

**Advice for Firefighters** No special firefighting equipment is needed; however, self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

### SECTION 6: Accidental Release Measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Store in a safe place. Wear approved goggles when handling this product. Wash material off skin with plenty of soap and water. Wash clothing and footwear before reuse. Always wash hands thoroughly after use.

**Emergency Procedures** Not applicable.

#### Environmental Precautions

#### Methods and Material for Containment and Cleaning Up

**Containment/Clean-Up Measures** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in a safe manner in accordance with local/national regulations.

### SECTION 7: Handling and Storage

#### Precautions for Safe Handling

**Handling** Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Storage** Keep out of reach of children. Store in a dry, well-ventilated area. Keep container closed when not in use.

**Incompatible Materials or Ignition Sources** Caustics, oxidizers, reducers.

### SECTION 8: Exposure Controls/Personal Protection

#### Control Parameters

#### Exposure Controls

**Engineering Measures/Controls** None specified.

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### Personal Protective Equipment



#### Pictograms

#### Respiratory

MSHA-NIOSH approved. No special precautions required.

#### Eye/Face

Protective eye goggles are recommended.

#### Hands

Wear rubber gloves for prolonged exposure; rinse completely from skin after contact.

#### Skin/Body

No special precautions required; rinse completely from skin after contact.

**General Industrial Hygiene Considerations** None specified.

**Environmental Exposure Controls** None specified.

### SECTION 9: Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance - Description	Brown / Black Liquid
Color	Brown / Black	Odor	Natural / Earthy
Taste	Data Lacking	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Data Lacking	Physical and Chemical Properties	Data Lacking
General Properties			
Boiling Point	>212°F (100°C)	Melting Point	Data Lacking
Decomposition Temperature	Data Lacking	Heat of Decomposition	Data Lacking
pH	5.0 – 8.5	Specific Gravity/Relative Density	1.01 – 1.05
Density	Data Lacking	Bulk Density	Data Lacking
Water Solubility	99%	Solvent Solubility	Not relevant
Viscosity	Equivalent to Water	Explosive Properties	Classification criteria not met.
Oxidizing Properties	Classification criteria not met.		
Volatility			
Vapor Pressure	Equivalent to Water	Vapor Density	Equivalent to Water
Evaporation Rate	Not Determined	VOC (Wt.)	Negligible
VOC (Vol.)	Data Lacking	Volatiles (Wt.)	Data Lacking
Volatiles (Vol.)	Data Lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Self-Accelerating Decomposition Temperature (SADT)	Not relevant	Heat of Combustion	Not relevant
Burning Time	Not relevant	Flame Duration	Not relevant
Flame Height	Not relevant	Flame Extension	Not relevant
Ignition Distance	Not relevant	Flammability (solid, gas)	Non-flammable

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<b>Environmental</b>			
<b>Half-Life</b>	Data Lacking	<b>Octanol/Water Partition Coefficient</b>	Data Lacking
<b>Coefficient of Water/Oil Distribution</b>	Data Lacking	<b>Bioaccumulation Factor</b>	Data Lacking
<b>Bioconcentration Factor</b>	Data Lacking	<b>Biochemical Oxygen Demand BOD/BOD5</b>	Data Lacking
<b>Chemical Oxygen Demand</b>	Data Lacking	<b>Persistence</b>	Data Lacking
<b>Degradation</b>	Data Lacking		

### SECTION 10: Stability and Reactivity

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability</b>	Stable under normal temperatures and pressures.
<b>Possibility of Hazardous Reactions</b>	None known.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Strong oxidizing agents, alkalis.
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> ). Sulfur oxides.

### SECTION 11: Toxicological Information

#### Information of Toxicological Effects

GHS Properties	Classification
<b>Acute Toxicity</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Aspiration Hazard</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Carcinogenicity</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Germ Cell Mutagenicity</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Respiratory Sensitization</b>	<b>OSHA HCS 2012</b> Mild Irritant
<b>Serious Eye Damage/Irritation</b>	<b>OSHA HCS 2012</b> Mild Irritant
<b>Skin Corrosion/Irritation</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Skin Sensitization</b>	<b>OSHA HCS 2012</b> Mild Irritant
<b>STOT-RE</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>STOT-SE</b>	<b>OSHA HCS 2012</b> Classification criteria not met
<b>Toxicity for Reproduction</b>	<b>OSHA HCS 2012</b> Classification criteria not met

**Target Organs** None.

**Route(s) of Entry/Exposure**

**Potential Health Effects**

#### Inhalation

Acute (Immediate)	May cause respiratory irritation.
Chronic (Delayed)	No data available.

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### Skin

Acute (Immediate) May cause skin irritation.  
Chronic (Delayed) No data available.

### Eye

Acute (Immediate) Direct contact with the eyes is likely to be irritating.  
Chronic (Delayed) No data available.

### Ingestion

Acute (Immediate) May cause gastrointestinal irritation.  
Chronic (Delayed) No data available.

## SECTION 12: Ecological information

**Toxicity** Material data lacking.

**Persistence and Degradability** Material data lacking.

**Bioaccumulative Potential** Material data lacking.

**Mobility in Soil** Material data lacking.

**Other Adverse Effects** No studies have been found.

**Other Information** No data is available on the adverse effects of this material on the environment.

## SECTION 13: Disposal Considerations

### Waste Treatment Methods

**Product Waste** Dispose of content in accordance with local, regional, national, and/or international regulations.

**Packaging Waste** Dispose of container in accordance with local, regional, national, and/or international regulations.

## SECTION 14: Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	Not applicable	(N.O.I.) Non Hazardous	Not applicable	Not applicable	Not applicable
TDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IMO/IMDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IATA/ICAO	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**Special Precautions for User** None specified.

**Transport in Bulk According to**

### Annex II of MARPOL 73/78

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**The IBC Code**

None specified.

### SECTION 15: Regulatory information

#### US Federal Regulations

All chemical substances in this product are listed in the EPA (Environmental Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

#### International Regulations

No additional information available.

#### California Proposition 65

This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.

### SECTION 16: Other Information

#### Disclaimer/Statement of Liability

*The information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual products use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of Federal, State, Provincial, or local laws. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries, or consequential damages which may result from the use of or reliance on any information contained in this form.*