



## SAFETY DATA SHEET

### Bio-WWT - Solid

Revision 1  
Revision Date: 25-March-2015

#### 1. COMPANY AND PRODUCT IDENTIFICATION

**Product Name** Bio-WWT- Solid  
**Product Code** 4211EV, 4212EV, 4213EV, 4218EV  
**Description** Blue Solid  
**Other means of Identification** None  
**Recommended Use** Slow Release Bacteria Treatment  
**Uses advised against** No information available

**Supplier Phone Number**  
+27 (0)32 947 0030  
**Supplier Email**  
info@trewater.co.za

#### 2. HAZARDS IDENTIFICATION

##### Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Irritant** / **Subcategory 2A**

**GHS Label Elements, including Precautionary Statements**

**Signal Word**                                      Warning  
**Hazard Statements**                            Causes Skin Irritation  
Causes Serious Eye Irritation



**Precautionary Statements – Prevention**

Wash skin thoroughly after handling.  
Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves and eye protection.

**Precautionary Statements – Response**

See First Aid Measures Section

**Skin**

IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.

**Precautionary Statements – Storage**

None

**Precautionary Statements – Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other information**

Causes mild skin irritation  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

**Interactions with Other Chemicals**

No information available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This product is a solid containing naturally-occurring viable bacterial cultures, surfactants, builders and dye.

**HAZARDOUS INGREDIENTS**

Name	CAS #	% BY WEIGHT	TRADE SECRET
Cocamide MEA	68140-00-1	< 27%	*
Glycerin	56-81-5	< 4%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret

## 4. FIRST AID MEASURES

### First aid measures

<b>General Advice</b>	Show this safety data sheet to the Doctor in attendance
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions, see a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting and seek medical attention.

### Most important symptoms and effects, both acute and delayed

Skin contact may aggravate any existing skin disease. Inhalation of product may aggravate any existing chronic respiratory problem.

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician**     Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

### Specific Hazards Arising from the Chemical

Upon combustion, toxic gases may be released.

**Uniform Fire Code**     None

### Hazardous Combustion Products

Carbon and Nitrogen Oxides.

### Explosion Data

**Sensitivity to Mechanical Impact**     No

**Sensitivity to Static Discharge**     No

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions**                      Avoid contact with skin and eyes

### Environmental precautions

Refer to protective measures listed in Sections 7 and 8

### Methods and material for containment and cleaning up

**Containment**                                      Prevent further leakage or spillage if safe to do so.

**Cleaning up**                                      Pick up and transfer to properly labelled containers.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling**    Handle in accordance with good industrial hygiene and safety practices.  
Avoid contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

**Storage**    Keep container tightly closed.

**Incompatible Products**                      Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control Parameters

**Exposure Guidelines**                      This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

**Other Exposure Guidelines**              Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

### Appropriate Engineering Controls

**Engineering Measures**                      Showers, Eyewash stations, Ventilation systems.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	None required for consumer use. Safety Glasses Recommended.
<b>Skin and Body Protection</b>	None required for consumer use. Repeated or prolonged contact: Wear protective gloves and protective clothing.
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practices. Take off contaminated clothing and wash before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical State</b>	Solid
<b>Appearance</b>	Blue
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	No information available
<b>Property</b>	
<b>pH</b>	None
<b>Melting/Freezing Point</b>	No data available
<b>Boiling Point/ Boiling Range</b>	No data available
<b>Flash Point</b>	None
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	None
<b>Upper/Lower flammability Limits</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Water Solubility</b>	Dispersible
<b>Solubility in other solvents</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>VOC Content (%)</b>	Negligible

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Do not exposed to extreme temperatures for long periods of time. Close containers when not in use.

**Incompatible Materials**

Strong acids and alkalis, and strong oxidizing agents may react with product and inactivate bacterial cultures.

**Hazardous Decomposition Products**

Carbon and Nitrogen Oxides.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

Inhalation	Specific test data for the mixture is not available.
Eye Contact	Specific test data for the mixture is not available.
Skin Contact	Specific test data for the mixture is not available.
Ingestion	Specific test data for the mixture is not available.

**Component Information** No information available.

**Information on toxicological effects**

**Symptoms** Skin contact may cause irritation.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No Information Available

**Mutagenic Effects** No information available.

**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Toxicity** No information available.

**STOT – single exposure** No information available.

**STOT – repeated exposure** No information available.

**Chronic Toxicity** No known effect based on available information.

**Target Organ Effects** Skin.

**Aspiration Hazard** No information available.

**Numerical measures of Toxicity**

Not applicable

**12. ECOLOGICAL INFORMATION**

**Eco-toxicity, Persistence and Degradability, and Bioaccumulation**

This product is not expected to be dangerous to the environment with respect to mobility, persistency and biodegradability, bio-accumulative potential, aquatic toxicity, and other data related to eco-toxicity.

**Other adverse effects**

None known.

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261).

This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered .

Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult with the appropriate State, Regional, or Local regulations for additional requirements.

**Contaminated Packaging** Dispose of contents/containers in accordance with local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT** Not Regulated

**Proper Shipping Name** Not Regulated

**Hazard Class** N/A

**IDG** Not Regulated

**MEX** Not Regulated

**ICAO** Not Regulated

**IATA** Not Regulated

**IMDG/IMO** Not Regulated

**RID** Not Regulated

**ADR** Not Regulated

**ADN** Not Regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
DSL All components are listed either on the DSL

TSCA – United States Toxic Substances Control Act – Section 8(b) Inventory  
DSL/NDSL – Canadian Domestic Substances List

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
Chronic Health Hazard No  
Fire Hazard No  
Sudden Release of Pressure Hazard No  
Reactive Hazard No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**US State Right-to-Know Regulations**

This product does not contain any substances above threshold limits that are regulated by State right-to-know.

**16. OTHER INFORMATION**

Hazardous Material Information System (HMIS)	<b>HEALTH</b>	<b>1</b>
	<b>FLAMMABILITY</b>	<b>0</b>
	<b>PHYSICAL HAZARD</b>	<b>0</b>



	<b>PERSONAL PROTECTION</b>	<b>B</b>
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### **ADDITIONAL INFORMATION**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

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Prepared by: AC  
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