

## Section 1 Product Description

**Product Name:** Bt500®  
**Recommended Uses:** Anti-scaling agent for commercial boilers  
**Synonyms:** Biodegradable Boiler Treatment  
**Produced By:** TeraGanix, Inc.  
14193 US Highway 69 South  
Alto, TX 75925  
(866) 369-3678 x81  
**Chemical Identification:** (866) 369-3678 x81

## Section 2 Hazard Identification

This section identifies the hazards of the chemical presented on the SDS and the appropriate warning information associated with those hazards.

**Pictograms:** None exist for Non-hazardous materials

<b>Hazard Rating:</b>	Health: 0	Normal Material
	Fire: 0	Will not burn
	Reactivity: 0	Stable

No hazardous ingredients present; not hazardous to humans, animals or plants.

**GHS Classification:**

No classification exists for microorganisms

**Other Safety Precautions:** None necessary.

## Section 3 Composition / Information on Ingredients

<u>Chemical Name</u>	<u>CAS#</u>
Water	7732-18-5
Lactic Acid Bacteria	Not Classified
Yeast	Not Classified
Photosynthetic Bacteria	Not Classified

## Section 4 First Aid Measures

**Emergency and First Aid Procedures**

**Inhalation:** In cases of inhalation, remove to fresh air  
**Eyes:** In case of contact with eyes, rinse with water for 10 seconds.  
**Skin Contact:** Rinse with clean water.  
**Ingestion:** If swallowed, drink some fresh water.

## Section 5 Firefighting Procedures

**Extinguishing Media:** Material will not combust.  
**Fire Fighting Methods and Protection:** Same precautions shall be taken as for fighting a fire of water.  
**Fire and/or Explosion Hazards:** None  
**Hazardous Combustion Products:** None

## Section 6 Spill or Leak Procedures

**Steps to Take in Case Material Is Released of Spilled:**

**Floors:** Mop up with fresh water, sewer disposal  
**Waste Disposal Method:** Sewer disposal. Material is Biodegradable, all natural organic ingredients, Non-GMO  
**Soil:** Rinse area with water.

## Section 7 Handling and Storage

**Handling:** Pour material with spigot, siphon, or dosage pumps. Material digests biological matter (fats, oils, grease). Avoid contact with these materials if you don't want them digested.

**Storage:** Store at temperatures between (40 and 120° F) Do not freeze. Keep container closed and out of direct sunlight.

**Storage Code:** Green. General Chemical Storage.

## Section 8 Protection Information

Respiratory Protection: None  
 Ventilation: None  
 Protective Gloves: Optional  
 Eye Protection: Safety glasses optional  
 Protective Clothing: None  
 Work Practices: Clean up spills immediately; floor will be slick

## Section 9 Physical Data

<b>Formula:</b>	Proprietary	<b>Vapor Pressure:</b>	N/D
<b>Molecular Weight:</b>		<b>Evaporation Rate:</b>	Equal to water
<b>Appearance:</b>	Brown liquid	<b>Vapor Density (Air=1)</b>	0.804 g/L
<b>Odor:</b>	Mild	<b>Specific Gravity:</b>	1.2 (25°C)
<b>pH:</b>	3.5	<b>Solubility in Water:</b>	Soluble
<b>Melting Point:</b>	N/A	<b>Log Pow (calculated):</b>	Not known
<b>Boiling Point:</b>	>100 °C	<b>Autoignition Temperature:</b>	536°C
<b>Flash Point:</b>	None	<b>Viscosity:</b>	Same as water
<b>Flammable Limits in Air:</b>	N/A	<b>% Volatile by Volume:</b>	0

## Section 10 Reactivity Data

**Reactivity:** Not reactive under normal conditions.  
**Chemical Stability:** Stable  
**Incompatible Materials:** None, non-reactive  
**Hazardous Decomposition Products:** None  
**Hazardous Polymerization:** Will not occur

## Section 11 Toxicity Data

**Routes of Entry:** Inhalation and ingestion  
**Symptoms (Acute):** Coughing, abdominal discomfort (gas pain), loose stool  
**Displayed Effects:** No long-term effects.

<b>Acute Toxicity:</b>				
<b>Chemical Name</b>	<b>CAS Number</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LD50</b>
Water	7732-18-5	Oral LD50 Rat 90000 mg/kg		
Lactic Acid Bacteria	Not Classified			
Yeast	Not Classified			
Photosynthetic Bacteria	Not Classified			
<b>Carcinogenicity:</b>				
	<b>CAS Number</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
Water	7732-18-5	Not Listed	Not Listed	Not Listed
Lactic Acid Bacteria	Not Classified	Not Listed	Not Listed	Not Listed
Yeast	Not Classified	Not Listed	Not Listed	Not Listed
Photosynthetic Bacteria	Not Classified	Not Listed	Not Listed	Not Listed

# Safety Data Sheet



**Chronic Effects:**

**Mutagenicity:** No evidence of a mutagenic effect.  
**Teratogenicity:** No evidence of a teratogenic effect (birth defect)  
**Sensitization:** No evidence of a sensitization effect.  
**Reproductive:** No evidence of negative reproductive effects

**Target Organ Effects:**

**Acute:** No evidence of acute effects on organs.  
**Chronic:** No evidence of effects on the eyes.

**Section 12 Ecological Data**

**Overview:** No ecological hazards known at any concentration.  
**Mobility:** This material is expected to be moderately mobile in soils. It absorbs into most soil types.  
**Persistence:** 100% Biodegradable  
**Bioaccumulation:** Bioaccumulation is not expected or occur.  
**Degradability:** Biodegrades quickly.  
**Other Adverse Effects:** No Data.

Chemical Name	CAS Number	Eco Toxicity
Water	7732-18-5	No Data Available
Lactic Acid Bacteria	Not Classified	No Data Available
Yeast	Not Classified	No Data Available
Photosynthetic Bacteria	Not Classified	No Data Available

**Section 13 Disposal Information**

**Disposal Methods:** Either use old or expired product in compost or pour down a common drain.  
**Water Disposal Code(s):** This is an unregulated material.

**Section 14 Transport Information**

**Ground -DOT Proper Shipping Name**                      **AIR IATA Proper Shipping Name:**

**Section 15 Regulatory Information**

**TSCA Status:** Not on Toxic Substances Lists

**Section 16 Additional Information**

**Revised 5/31/2015**  
The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Carolina Biological Supply makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet.

**Glossary**

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
CAS	Chemical Abstract Service Number	OSHA	Occupational Safety and Health Administration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	PEL	Permissible Exposure Limit
		ppm	Parts per million
		RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation	SARA	Superfund Amendments and Reauthorization Act
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
N/A	Not Available	TSCA	Toxic Substances Control Act
IDLH	Immediately dangerous to life and health		