

GENEPRO, Inc.

Material Safety Data Sheet

Date Updated: 01/14/2013

Version 1.2

Section I - Product and Company Information

Product Name BTS
Product Number 500 or 540
Brand GENEPRO

Company GENEPRO, Inc
Street Address 6065 McKee Rd, Suite C
City, State, Zip, Country FITCHBURG, WI 53719 USA
Technical Phone: (608)270-1230
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Section II - Composition/Information on Ingredient

<u>Substance Name</u>	<u>CAS #</u>	<u>SARA 313</u>	<u>EC no</u>	<u>Annex I Index Number</u>
BTS	n/a	n/a	n/a	n/a
Ingredients	KCl, NaHCO ₃ , Na Citrate (dihydrate), D-(+)-Glucose, Gentamicin Sulfate, Disodium ethylenediaminetetraacetate (dihydrate)			

Section III - Hazards Identification

Emergency Overview

Irritant: Irritating to skin, eyes and respiratory tract

NFPA Rating

Health: 1 Flammability: 0 Reactivity: 0

Potential Health Effects

INHALATION: Inhalation of high concentrations of dust may cause nasal or lung irritation.
INGESTION: Large quantities can produce gastrointestinal irritation and vomiting. May produce weakness and circulatory problems. May affect heart. In severe cases, ingestion may be fatal.
SKIN CONTACT: Contact may cause irritation or rash, particularly with moist skin.
EYE CONTACT: Redness, tearing, possible abrasion can occur.
CHRONIC EXPOSURE: No information found.
TERATOLOGY (BIRTH DEFECTS): May cause birth defects in exaggerated doses that are toxic to the mother. Effects are likely associated with zinc deficiency due to chelations. Birth defects are unlikely, exposure with no effects to the mother should result in no effects to the fetus.
AGGRAVATION OF PRE-EXISTING CONDITIONS: Persons with impaired kidney function may be more susceptible to the effects of the substance.

Section IV - First Aid Measures

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
INGESTION: Induce vomiting immediately as directed by medical personnel.
Never give anything by mouth to an unconscious person, call a physician.
SKIN CONTACT: Remove any contaminated clothing, wash skin with soap and water for at least 15 minutes.
Get medical attention if irritation develops or persists.
EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

Section V - Fire Fighting Measures

FIRE: Not considered to be a fire hazard.
EXPLOSION: Not considered to be an explosion hazard.
FIRE EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire.
SPECIAL INFORMATION: In the event of a fire, wear full protective clothing and osha-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section VI - Accidental Release Measures

Procedure to Follow in Case of Leak or Spill:

Sweep together the wetted material carefully and fill into marked, sealed containers.

Procedure(s) of Personal Precaution(s):

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning up:

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section VII - Handling and Storage

Handling

User Exposure: Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

Storage

Suitable: Store air tight package at 5°C. Do not store in aluminum, carbon steel, copper, copper alloys, zinc or nickel containers.

Special Requirements:

Hygroscopic.

Section VIII - Exposure Controls/PPE

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment

Respiratory: Government approved respirator.
 Hand: Compatible chemical-resistant gloves.
 Eye: Chemical safety goggles.

General Hygiene

Measures: Wash thoroughly after handling.

Section IX - Physical/Chemical Properties

Appearance

Physical State:	Color:	Form:
Solid	White	Fine crystals

Property:	Value:	At Temperature or Pressure:
pH	6.80-7.20	n/a
BP/BP Range	1465°C	n/a
MP/MP Range	60°C	n/a
Freezing Point	n/a	n/a
Vapor Pressure	n/a	n/a
Vapor Density	n/a	n/a
Saturated Vapor Conc.	n/a	n/a
SG/Density	n/a	n/a
Bulk Density	n/a	n/a
Odor Threshold	n/a	n/a
Volatile%	n/a	n/a
VOC Content	n/a	n/a

Water Content	n/a	n/a
Solvent Content	n/a	n/a
Evaporation Rate	n/a	n/a
Viscosity	n/a	n/a
Partition Coefficient	n/a	n/a
Decomposition Temp.	n/a	n/a
Flash Point °F	n/a	n/a
Flash Point °C	n/a	n/a
Explosion Limits	n/a	n/a

Flammability	n/a	n/a
Autoignition Temp	n/a	n/a

Solubility		
Solubility in Water:	25.0g in 1L at 36°C	
Solvent:	Complete, colorless.	n/a = not available

Section X - Stability and Reactivity

Stability

Stable: Stable.	Conditions to Avoid: Moisture, heat, flame, ignition sources, dusting and incompatibles.	Materials to Avoid: Strong oxidizing agents and acids. Dangerous reaction with monoammonium phosphate or a sodium-potassium alloy.
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Hazardous Decomposition Products

Ammonia, Carbon monoxide, Carbon dioxide, Ionic halogen, Nitrogen oxides.

Hazardous Polymerization

Will not occur.

Section XI - Toxicological Information

Routes of Exposure

Skin Contact:	Causes skin irritation.
Skin Absorption:	May be harmful if absorbed through the skin.
Eye Contact:	Causes eye irritation.
Inhalation:	Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion:	May be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Toxicity Data

Oral:	n/a
Intravenous - Rat:	n/a
Intravenous - Mouse:	n/a

Section XII - Ecological Information

No data available.

Section XIII - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

Section XIV - Transport Information

DOT

Proper Shipping Name: None.

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section XV - Regulatory Information

EU Additional Classification

Symbol of Danger:

Indication of Danger: Irritant.

Risk Statements: Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing.

US Classification and Label Text

Indication of Danger:

Risk Statements:

Safety Statements:

United States Regulatory Information

SARA Listed:

TSCA Inventory Item:

Canada Regulatory Information**WHMIS Classification**

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Section XVI - Other Information

Disclaimer: For R&D use only. Not for drug, household or other uses.

Warranty:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. GENEPRO, Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See front of invoice or packing slip for additional terms and conditions of sale. Copyright 2013 GENEPRO, Inc, License granted to make unlimited paper copies for internal use only.