



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2018

Date Updated: June 07, 2018

## SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

Product Name CL990-cin  
 Product Code(s) Z706211  
 Recommended Use For Laboratory Research Use Only  
 Not for Human or Animal Drug Use

Supplier Bio Basic Inc.  
 Address 20 Konrad Crescent, Markham, Ontario,  
 Canada, L3R 8T4  
 Telephone (905) 474 4493  
 Fax (905) 474 5794  
 For Chemical Emergency Phone# (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### Classification of substance according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] and GHS

Acute toxicity, Oral (Category 4), H302  
 Germ cell mutagenicity (Category 2), H341

### Label elements according to Regulation (EC) No 1272/2008 [CLP] and GHS

Pictogram



Signal word Warning

#### Hazard statements

H302 Harmful if swallowed.  
 H341 Suspected of causing genetic defects.

#### Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.  
 P264 Wash hands thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
 P308 + P313 IF exposed or concerned: Get medical advice/attention.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards - none

## SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Phleomycin D1	-	11006-33-0	-

## SECTION 4. ----- FIRST-AID MEASURES-----

### General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

**If inhaled**

Remove to fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact**

Immediately wash skin with soap and plenty of water. Consult a physician.

**In case of eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

**SECTION 5. ----- FIRE FIGHTING MEASURES -----**

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Water spray, carbon dioxide, dry chemical powder or appropriate foam.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

**Explosion data - sensitivity to mechanical impact**

no data available

**Explosion data - sensitivity to static discharge**

no data available

**SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**

**Personal precautions**

Wear protective equipment. Keep unprotected persons away. Avoid dust formation.

**Environmental precautions**

Do not let product enter drains.

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

Absorb on sand or vermiculite and place in closed containers for disposal. Dispose contaminated material as waste according to section 13. Ventilate area and wash spill site after material clean-up is complete.

**SECTION 7. ----- HANDLING AND STORAGE-----**

**Precautions for safe handling**

Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

**User Exposure**

Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or apron).

**Conditions for safe storage**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

## SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - -

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Exposure controls Appropriate engineering controls

General industrial hygiene practice.

#### Personal protective equipment

##### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Do not let product enter drains.

## SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

**Appearance:** Blue

**Physical State:** Powder

**Solubility in Water:** Readily miscible in water

#### Safety Data

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Relative density: No data available

Solubility in water: 20 mg/ml

Partition coefficient: n-octanol/water: No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

## SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

**Reactivity:** No data available  
**Chemical stability:** Stable under recommended storage conditions.  
**Possibility of hazardous reactions:** No data available  
**Conditions to avoid:** No data available  
**Incompatible materials:** No data available  
**Hazardous decomposition products:** No data available

**SECTION 11. ----- TOXICOLOGICAL INFORMATION -----**

**Information on toxicological effects**

**Acute toxicity:**

Oral LD50: No data available  
Inhalation LC50: No data available  
Dermal LD50: No data available  
Other information on acute toxicity: No data available

**Skin corrosion/irritation:**

No data available

**Serious eye damage/irritation:**

No data available

**Respiratory or skin sensitization:**

No data available

**Germ cell mutagenicity:**

No data available

**Carcinogenicity:**

No data available

**Reproductive toxicity:**

No data available

**Additional information:**

No data available

**SECTION 12. ----- ECOLOGICAL INFORMATION -----**

**Toxicity:**

No data available

**Persistence and degradability:**

No data available

**Bioaccumulative potential:**

No data available

**Mobility in soil:**

No data available

**Results of PBT and vPvB assessment:**

PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

**Other adverse effects:**

No data available

**SECTION 13. ----- DISPOSAL CONSIDERATIONS -----**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14. ----- TRANSPORT INFORMATION -----**

**DOT (US)**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**SECTION 15. ----- REGULATORY INFORMATION -----**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

**Chemical Safety Assessment**

no data available

**SECTION 16. ----- OTHER INFORMATION-----**

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

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**End of SDS**