



## MATERIAL SAFETY DATA SHEET

### Material Safety Data Sheet (MSDS) For Penicillin Streptomycin.

#### SECTION I: Product and Company Information

**Product Name:** Penicillin Streptomycin Solution Stabilized

**Catalog Numbers:** PS-30-002 & PS-30-002-6

**Brand** Celprogen

**Company** Celprogen Inc

**Address** 1871 North Gaffey Street, Suites A, B & G  
San Pedro CA 90731

**CELPROGEN Emergency Telephone:** (310) 542-8822 (24 hours)

**Fax** 310 547 2975

#### SECTION II

##### Physical Data

##### Description:

Celprogen Penicillin Streptomycin shipped frozen.

##### Composition / Information on Ingredients:

Penicillin Streptomycin solution	CAS# none
Ingredient Name	
Water	CAS#7732-18-5
Penicillin G, sodium salt	CAS# 69-57-8
Streptomycin Sulfate	CAS# 3810-74-0

#### SECTION III

##### Health hazards Identification:

##### Emergency Overview

Possible sensitizer. California. Prop. 65 developmental hazard. Target organ(s): Ears, Kidney, Skin, Liver & Eyes

HMIS Rating

Health: 2\*

Flammability: 0

Reactivity: 0

**NFPA Rating:**

Health: 2

Flammability: 0

Reactivity: 0

\*additional chronic hazards present.

For additional information on toxicity, please refer to section 11.

## **SECTION IV**

### **First Aid Measures**

**ORAL EXPOSURE:**

If swallowed, wash out mouth with water provided person is conscious. Call a Physician.

**INHALATION EXPOSURE:**

If inhaled, remove to fresh air. If breathing becomes difficult, call a Physician.

**DERMAL EXPOSURE:**

In case of contact, immediately wash skin with soap and copious amounts of water.

**EYE EXPOSURE:**

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. Call a physician.

## **SECTION V**

### **Fire Fighting Measures**

**FLASH POINT:**

N/A

**AUTOIGNITION TEMP:**

N/A

**FLAMMABILITY:**

N/A

**EXTINGUISHING MEDIA:**

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**FIREFIGHTING:**

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eye.

Specific Hazard(s): Emits toxic fumes under fire conditions.

## **SECTION VI**

### **Accidental Release Measures**

**METHODS FOR CLEANING UP:**

Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

## **SECTION VII**

### **Handling and Storage**

**HANDLING:**

User Exposure: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

**STORAGE:**

Suitable: Keep tightly closed.

Store at -20°C

## SECTION VIII

### Exposure Controls / PPE

#### ENGINEERING CONTROLS:

Mechanical exhaust required. Safety shower and eye bath

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand: Protective gloves.

Eye: Chemical safety goggles.

#### GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

## SECTION IX

### Physical/Chemical Properties

Appearance	Physical State: Liquid
Property	Value
Molecular Weight	N/A
pH	6.3 – 6.9
BP/BP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile %	N/A
VOC Content	N/A
Water Content	< 10%
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refraction Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A = not available

## SECTION X

### Stability and Reactivity

#### STABILITY:

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

#### HAZARDOUS DECOMPOSITION PRODUCTS:



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Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

## SECTION XI

### Toxicology Information

#### ROUTE OF EXPOSURE:

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

#### SENSITIZATION

Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

#### TARGET ORGAN(S) OR SYSTEM(S)

Aminoglycosides are associated with significant nephrotoxicity and/or ototoxicity. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 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 environment 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

#### US CLASSIFICATION AND LABEL TEXT

US Statements: Possible sensitizer. Calif. Prop. 65 development hazard. Target organ(s): Ears. Kidneys.

#### UNITED STATES REGULATORY INFORMATION

SARA Listed: No

#### UNITED STATES – STATE REGULATORY INFORMATION

CALIFORNIA PROP -65



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California Prop-65: This product is or contains chemical(s) known to the state of California to cause developmental toxicity.

### 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: No

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 and guarantee of the properties of the product. Celprogen Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.