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) 547-3975 (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
- 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 EQUIMENT
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

<table>
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<th>Property</th>
<th>Physical State: Liquid</th>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
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<tr>
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<td>Molecular Weight</td>
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<td></td>
<td></td>
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SECTION X
Stability and Reactivity

STABILITY:
Stable. Stable.
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODCUTS:
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: Thus 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

UNITED STATES REGULATORY INFORMATION
SARA Listed: No

UNITED STATES – STATE REGULATORY INFORMATION
CALIFORNIA PROP -65
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.