

# **Pen-Strep**

# Cat#: orb63243 (MSDS)

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product Name: Pen-Strep stock solution, 200x

#### 2. HAZARDS IDENTIFICATION

#### GHS classification according to Regulation (EC) No 1272/2008

Resp. Sens. 1; H334 Skin Sens. 1; H317

#### **GHS Label elements:**

Pictogram: Signal word: Danger

#### Hazard statements:

H317: May cause an allergic skin reaction. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### **Precautionary statements:**

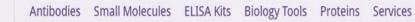
P261: Avoid breathing vapors.
P280: Wear protective gloves / protective clothing / eye protection.
P285: In case of inadequate ventilation wear respiratory protection.
P304 + P341: IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P333 + P313: If skin irritation or rash occurs: Get medical advice / attention.
P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

### Additional information:

Laboratory chemicals must be handled only by qualified personnel and with precaution.

#### **Results of PBT and vPvB assessment:**

PBT: No data available vPvB: No data available



## 3. COMPOSITION / INFORMATION ON INGREDIENTS

# Mixtures / Hazardous components: Streptomycin sulfate:

Substance Name: Streptomycin sulfate Molecular Formula: C42H84N14O36S3 Molecular Weight: 1457.38 CAS Number: 3810-74-0 Concentration: 1.5 % Classification: Acute Tox. 4, oral; H302 – Rep. Tox. 2; H361

#### Penicillin G sodium salt:

Substance Name: Penicillin G sodium salt Chemical Name: 4-Thia-1-azabicyclo(3.2.0)heptane-2-carboxylic acid,3,3-dimethyl-7-oxo-6-(2phenyl acetamido)-,monosodium salt Molecular Formula: C16H17N2NaO4S Molecular Weight: 356.37 CAS Number: 69-57-8 Concentration: 1.5 % Classification: Resp. Sens. 1; H334 - Skin Sens. 1; H317

#### 4. FIRST AID MEASURES

**General advice:** Consult a physician. Show this material safety data sheet to the doctor in attendance. **After skin contact:** Immediately wash skin with soap and plenty of water. Consult a physician. **After swallowing:** Never give anything by mouth to an unconscious person. Rinse mouth with water provided person is conscious. Consult a physician.

**After inhalation:** Remove to fresh air. If not breathing give artificial respiration. Consult a physician. **After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

## **5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder or appropriate foam.Specific hazards arising from the chemical: No data availableSpecial Firefighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Environmental precautions: Dilute with plenty of water.
Method for Cleaning Up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.

# 7. HANDLING AND STORAGE

Handling: Avoid formation of aerosols and contact with eyes, skin and clothing.

**User Exposure:** Avoid inhalation. Use personal protective equipment (i.e. impermeable gloves, lab coat or appr.).

Storage: Store at -20°C (Stable for 12 month).

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation and cleanable resistant tightly sealed working surfaces. **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Handle with gloves to prevent skin contact.

Eye protection: Wear chemical safety goggles to prevent eye contact.

**Skin and body protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. **General Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

## Appearance:

Form: liquid Color: colorless Odor: odorless Odor threshold: No data available

# Safety data:

pH: No data available Melting point: No data available Boiling point: No data available Flash point: No data available Ignition temperature: No data available Thermal decomposition: No data available Self-igniting: Product is not self-igniting. Danger of explosion: Product does not present an explosion hazard. Vapor pressure: No data available Solubility in / Miscibility with water: Fully miscible Segregation coefficient (n-octanol / water): No data available Viscosity, dynamic: No data available

# **10. STABILITY AND REACTIVITY**

## Reactivity: No data available

Chemical stability: Stable under recommended storage conditions at -20°C (12 months)
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Incompatible materials: No data available
Hazardous decomposition products: No data available

#### **11. TOXICOLOGICAL INFORMATION**

hiorbyt

Acute toxicity: No data available Skin corrosion/irritation: No data available Serious eye damage/irritation: No data available Respiratory or skin sensitization: Sensitization possible through inhalation or skin contact. Germ cell mutagenicity: No data available Carcinogenicity: No data available Reproductive toxicity: No data available Additional information: RTECS: WK4990000 (Streptomycin sulfate) RTECS: XH9800000 (Penicillin G sodium salt)

#### **12. ECOLOGICAL INFORMATION**

Ecotoxicity: No data available Persistence and degradability: No data available Bioaccumulative potential: No data available Mobility in soil: No data available General notes: Generally not hazardous for water.

#### **13. DISPOSAL CONSIDERATIONS**

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.
 Contaminated Packaging: Disposal must be made according to official regulations.
 Cleansing agents: Water, if necessary together with cleansing agents.

#### **14. TRANSPORT INFORMATION**

ADR / RID: Not dangerous goods DOT (US): Not dangerous goods IMDG: Not dangerous goods ICAO / IATA: Not dangerous goods UN "Model Regulation": Not dangerous goods

#### **15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.



# **15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:** No data available

15.2 Chemical Safety Assessment: No data available

Biorbyt Ltd. 5 Orwell Furlong, Cowley Road,Cambridge, Cambridgeshire CB4 0WY, United Kingdom Email: info@biorbyt.com | Phone: +44 (0)1223 859 353 | Fax: +44(0)1223 280 240 Biorbyt LLC Suite 103, 369 Pine Street, San Francisco California 94104, United States Email: info@biorbyt.com | Phone: +1 (415)-906-5211 | Fax: +1 (415) 651 8558