

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

LEXSY Bleo

sterile ready-to-go stock solution

Phleomycin D1

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

Product Name: LEXSY Bleo (Bleomycin)
Catalog Number: AB-103S;AB-103L
Supplier: Jena Bioscience GmbH
Loebstedter Strasse 71
07749 Jena, Germany
Telephone: +49 - 3641 - 62 85 000
Fax: +49 - 3641 - 62 85 100
e-Mail: info@jenabioscience.com
WWW: http://www.jenabioscience.com

2. HAZARDS IDENTIFICATION

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

Germ cell mutagenicity (Category 2), H341

GHS Label elements:



Pictogram:

Signal word: Warning

Hazard statements:
H341 Suspected of causing genetic defects.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection.
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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

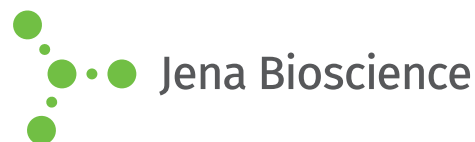
3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Phleomycin D1 formulation, Phleomycincomplex, Phleomycin, Phleomycin from *Streptomyces verticilluss*
Formula: $C_{55}H_{85}O_{21}N_{20}S_2Cu \times HCl$
Molecular Weight: 1525 g/mol
CAS-No.: 11006-33-0
EC number:
Classification: Acute Tox. 4, H302 - Muta. 2, H341
Concentration: 10 % w/v

4. FIRST AID MEASURES

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General advice

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

If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

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

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use water spray, appropriate foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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.

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 apr.).

Storage

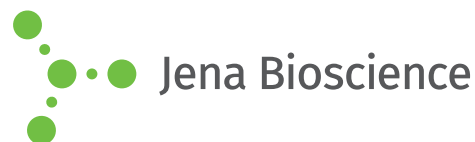
Keep container tightly closed in a dry and well-ventilated place. Store away from food.

Recommended storage temperature: Store at -20 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Personal protective equipment

Engineering Measures

Ensure adequate ventilation and cleanable resistant tightly sealed working surfaces.

Respiratory protection

Required if aerosols can be formed. 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).

Hand protection

Handle with gloves to prevent skin contact.

Eye protection

Safety glasses

Hygiene measures

General industrial hygiene practice.

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: aqueous solution

Safety data

pH: 7.25
Melting point: no data available
Boiling point: 100 °C
Flash point: no data available
Ignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Water solubility: soluble > 100 mg/ml

10. STABILITY AND REACTIVITY

Storage stability

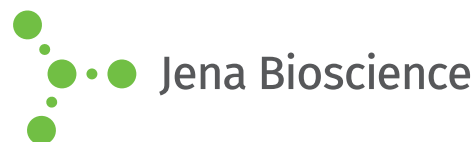
Stable under recommended storage conditions for 12 months at -20°C (3 months at 4°C).

Materials to avoid

High concentrations of acids or bases, strong oxidizing agents.

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Hazardous decomposition products

no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 oral: 645 mg/kg rat Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Dyspnea.

Signs / Symptoms of exposure

Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Dyspnea. Behavioral: Altered sleep time including change in righting reflex

Irritation and corrosion

no data available

Sensitisation

no data available

Germ cell mutagenicity:

Laboratory experiments have shown mutagenic effects. Genotoxicity in vitro - Human - leukocyte, other mutation test systems, Genotoxicity in vitro - Human - leukocyte, cytogenetic analysis, Genotoxicity in vitro - mouse - ovary, cytogenetic analysis, Genotoxicity in vivo - mouse - subcutaneous, cytogenetic analysis

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

WGK (Germany)

Wassergefährdungsklasse 3 Self-Classification

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

Dispose of as unused product.

14. TRANSPORT INFORMATION

ADR/RID

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Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EC Directives

The product does not need to be labelled in accordance with EC directives or respective national laws.

16. OTHER INFORMATION

Further information

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