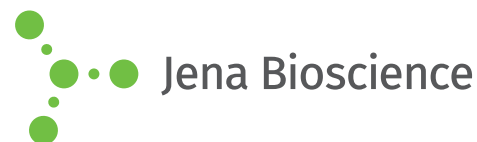


# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEXSY Neo

sterile ready-to-go stock solution

Geneticin, G-418

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

Product Name: LEXSY Neo (Neomycin)  
Catalog Number: AB-105S;AB-105L  
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](mailto:info@jenabioscience.com)  
WWW: <http://www.jenabioscience.com>

### 2. HAZARDS IDENTIFICATION

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

Skin sensitization (Category 1), H317

Respiratory sensitization (Category 1), H334

#### 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.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P333 + P313 If skin irritation or rash occurs: Get medical advice / attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

#### Additional information

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

HMIS Classification Health Hazard 2, Chronic Health Hazard \*, Flammability Hazard 0, Reactivity Hazard 0

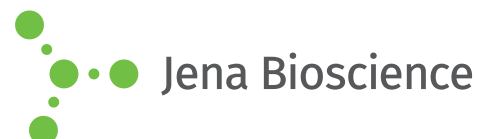
NFPA Rating Health Hazard 0, Fire 0, Reactivity Hazard 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Geneticin®, O-2-Amino-2,7-dideoxy-D-glycero-?-D-glucopyranosyl-(1?4)-O-(3-desoxy-4-C-methyl-3-(methylamino)-?-L-arabinopyranosyl-(1?6))-D-streptamin

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Formula:  $C_{20}H_{40}N_4O_{10} \times 2H_2SO_4$   
Molecular Weight: 692.7 g/mol  
CAS-No.: 108321-42-2  
EC number:  
Classification: Resp. Sens. 1, H334 ☐ Skin. Sens. 1, H317  
Concentration: 5 % w/v

## 4. FIRST AID MEASURES

### 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

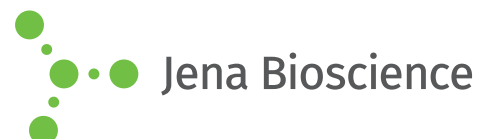
### Handling

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

### User Exposure

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

### Storage

Recommended storage temperature: Store at -20 °C

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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

### 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

### Safety data

pH:  
Melting point: no data available  
Boiling point: no data available  
Flash point: no data available  
Ignition temperature: no data available  
Lower explosion limit: no data available  
Upper explosion limit: no data available  
Water solubility: no data available

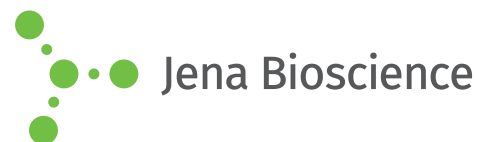
## 10. STABILITY AND REACTIVITY

### Storage stability

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

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### Materials to avoid

High concentrations of acids or bases, strong oxidizing agents.

### Hazardous decomposition products

no data available

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

LD50	oral: No data available
LC50	inhalation: No data available
LD50	dermal: No data available
LD50	intravenous: 140 mg/kg mouse
LD50	subcutaneous: 1300 mg/kg mouse

### Signs / Symptoms of exposure

no data available

### Irritation and corrosion

no data available

### Sensitisation

no data available

### Germ cell mutagenicity:

no data available

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

no data available

### Ecotoxicity effects

no data available

### Further information on ecology

no data available

## 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.

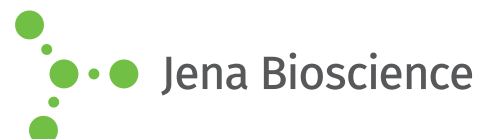
### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION

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### ADR/RID

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### OSHA Hazards

Target organ effect

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

## 16. OTHER INFORMATION

### Further information

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