SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Jena Bioscience

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
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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

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:	Geneticin®, O-2-Amino-2,7-didesoxy-D-glycero-?-D-gluco-heptopyranosyl-(1?4)-O-(3-desoxy-4-C-methyl-3-(methylamino)-?-L-arabinopyranosyl-(1?6))-D-streptamin
Formula:	$C_{20}H_{40}N_4O_{10}$ x $2HN_2SON_4$
Molecular Weight:	1525 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.

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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

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

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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).

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

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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

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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