SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Jena Bioscience

LEXSY Tet

sterile ready-to-go stock solution
(for inducible protein expression in **LEXSY host T7-TR**)
Tetracycline

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

Product Name:	LEXSY Tet (Tetracycline HCl)
Catalog Number:	AB-106S;AB-106L;AB-106XL
Supplier:	Jena Bioscience GmbH
	Loebstedter Strasse 71
	07749 Jena, Germany
Telephone:	+49 - 3641 - 62 85 000
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2. HAZARDS IDENTIFICATION

This substance is not classified as dangerous according to Regulation (EC) No. 1272/2008 (EU-GHS/CLP).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:	ACHROMYCIN HCL
Formula:	$C_{22}H_{24}N_2O_8$ x HCl
Molecular Weight:	480.9 g/mol
CAS-No.:	64-75-5
EC number:	200-593-8
Classification:	Skin Irrit. 2, H315 ; Eye Irrit. 2, H319 ; STOT SE 3, H335
Concentration:	1 % w/v

4. FIRST AID MEASURES

If inhaled

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

In case of skin contact

Wash off with plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

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.

Specific hazards arising from the chemical

Carbon oxides (COx), nitrogen oxides (NOx), Hydrogen chloride gas.

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. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

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 appr.).

Storage
Store in cool place. 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

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
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.

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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:	suspension

Safety data

pH:	
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 ? 10 mg/ml

10. STABILITY AND REACTIVITY

Storage stability
Stable under recommended storage conditions.

Materials to avoid
Strong oxidizing agents.

Hazardous decomposition products
The nature of the decomposition products is not known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50 oral	6.433 mg/kg rat
LC50 inhalation	No data available
LD50 dermal	No data available
LD50 intravenous	No data available
LD50 subcutaneous	No data available

Irritation and corrosion
no data available

Sensitisation
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

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Germ cell mutagenicity
No data available

Carcinogenicity
No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
Effects on or via lactation. Suspected human reproductive toxicant.

Additional information
RTECS: QI9100000

Signs and Symptoms of Exposure
Phototoxic reactions, Gastrointestinal disturbance, yellowing of teeth, reduced mineralization.

Potential Health Effects

Inhalation:	May be harmful if inhaled. Causes respiratory tract irritation.
Skin:	May be harmful if absorbed through skin. Causes skin irritation.
Eyes:	Causes serious eye irritation.
Ingestion:	May be harmful if swallowed.

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)
no data available

Ecotoxicity effects
Toxicity to fish LC50 - Salvelinus namaycush - 220 mg/l - 96 h

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

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IMDG
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IATA
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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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