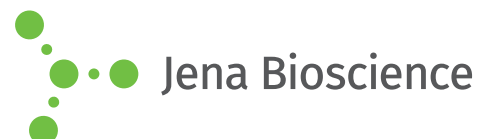


# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## LEXSY Tet

sterile ready-to-go stock solution

(for inducible protein expression in **LEXSY host T7-TR**)

Tetracycline HCl

### 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  
Fax: +49 - 3641 - 62 85 100  
e-Mail: [info@jenabioscience.com](mailto:info@jenabioscience.com)  
WWW: <http://www.jenabioscience.com>

### 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, Tetracycline HCl  
Formula:  $C_{22}H_{24}N_2O_8 \times HCl$   
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

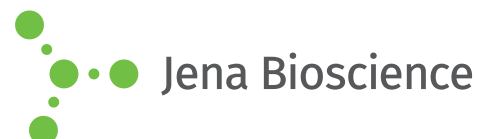
Carbon oxides (COx), nitrogen oxides (NOx), Hydrogen chloride gas.

#### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

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## 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 apr.).

### 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.

### 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

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### 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.

### Germ cell mutagenicity

No data available

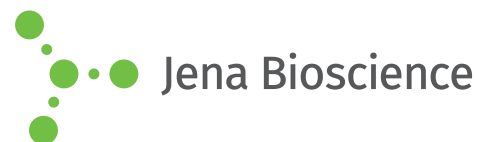
### Carcinogenicity

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

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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

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

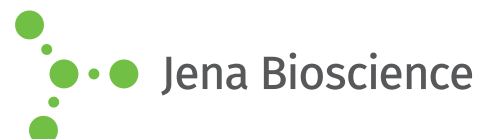
## 15. REGULATORY INFORMATION

### Labelling according to EC Directives

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

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## 16. OTHER INFORMATION

### Further information

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