

## MATERIAL SAFETY DATA SHEET

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

#### Product identifiers

Product name: Tiamulin 1 mg/ml

Product number: P06-12100

Brand: PAN Biotech

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

#### Details of the supplier of the safety data sheet

Company: PAN Biotech GmbH  
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94501 Aidenbach  
GERMANY

Telephone: +49-(0)8543-6016-30

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E-mail: info@pan-biotech.de

#### Emergency telephone number

Emergency phone: +49-(0)8543-6016-30 or +49 151 51557123

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Chronic aquatic toxicity (Category 4)

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not a hazardous substance or mixture.

Hazard statement(s)

H413

May cause long lasting harmful effects to aquatic life.

Precautionary statement(s)

none

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Component

Tiamulin

#### CAS-No.

55297-95-5

#### 4. FIRST AID MEASURES

<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician.
<b>In case of eye contact</b>	Flush eyes with water as a precaution. Consult a physician.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>If inhaled</b>	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician
<b>Notes to physician</b>	Treat symptomatically

#### 5. FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the substance or mixture</b>	Nature of decomposition products not known.
<b>Advice for firefighters</b>	Wear self contained breathing apparatus for firefighting if necessary.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

##### **Methods for cleaning up**

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

##### **Environmental precautions**

Do not let product enter drains.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with skin, eyes and clothing. Normal measures for preventive fire protection.
<b>Storage</b>	Keep in properly labeled and tightly closed containers in a dry, cool and well-ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety practice.

##### **Personal protective equipment**

##### **Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Respiratory protection is not required. 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).

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form:</b>	liquid
<b>Odour</b>	no data available
<b>Melting point/freezing point</b>	no data available
<b>Initial boiling point and boiling range</b>	no data available
<b>Flash point</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Water solubility</b>	no data available
<b>Auto-ignition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available

## **10. STABILITY AND REACTIVITY**

<b>Chemical stability</b>	no data available
<b>Possibility of hazardous reactions</b>	no data available
<b>Incompatible materials</b>	strong oxidizing agents
<b>Hazardous decomposition products</b>	no data available

## **11. TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	LD50 Oral – rat- 2.230
<b>Potential Health effects</b>	
<b>Eyes</b>	May cause eye irritation.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation.
<b>Inhalation</b>	May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Specific effects</b>	

**Carcinogenic effects**

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

**Mutagenic effects**

no data available

**Reproductive toxicity**

no data available

**Sensitisation**

no data available

**12. ECOLOGICAL INFORMATION**

**Toxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**Results of PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

**13. DISPOSAL CONSIDERATIONS**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product

**14. TRANSPORT INFORMATION**

**UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical Safety Assessment**

no data available

**16. OTHER INFORMATION**

**Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is

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