# Safety Data Sheet

www.glentham.com

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name : Tiludronic acid
Product code : GP4498
CAS number : 89987-06-4

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

PC21: Laboratory chemicals.

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

Company name : Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

Telephone : +44 (0) 1225 667 798
Fax : +44 (0) 2033 978 909
Email : info@glentham.com
Web : www.glentham.com

### 1.4 Emergency telephone number

Emergency telephone number: +44 (0) 1225 667 798 (09.00 – 17.00 GMT)

### 1.5 REACH

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

**Classification under CLP**

This product has no classification under CLP.

### 2.2 Label elements

**Label elements under CLP**

This product has no label elements.

### 2.3 Other hazards

**PBT**

This substance is not identified as a PBT substance.

## 3.0 Composition/information on ingredients

### 3.1 Substances

Product name : Tiludronic acid
CAS number : 89987-06-4

MW : 362.57 (anhydrous)
MF : $C_7H_7ClNa_2O_6P_2S \cdot xH_2O$

## 4.0 First aid measures

### 4.1 Description of first aid measures

**Skin contact**

Wash immediately with plenty of soap and water.

**Eye contact**

Bathe the eye with running water for 15 minutes.

**Ingestion**

Wash out mouth with water.

**Inhalation**

Consult a doctor.

### 4.2 Most important symptoms and effects, both acute and delayed

**Skin contact**

There may be mild irritation at the site of contact.

**Eye contact**

There may be irritation and redness.

**Ingestion**

There may be irritation of the throat.

**Inhalation**

There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects**

Immediate effects can be expected after short-term exposure.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Immediate / special treatment**

Not applicable.

## 5.0 Fire-fighting measures

**5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used.

**5.2 Special hazards arising from the substance or mixture**

**Exposure hazards**

In combustion emits toxic fumes.

**5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6.0 Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Refer to section 8 of SDS for personal protection details.

**6.2 Environmental precautions**

Do not discharge into drains or rivers.

**6.3 Methods and material for containment and cleaning up**

**Clean-up procedures**

Wash the spillage site with large amounts of water.

**6.3 Reference to other sections**

Refer to section 8 of SDS.

## 7.0 Handling and storage

**7.1 Precautions for safe handling**

**Handling requirements**

Avoid the formation or spread of dust in the air.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions**

Store in cool, well ventilated area. Keep container tightly closed. Avoid contact with water or humidity.

**7.3 Specific end use(s)**

No data available.

## 8.0 Exposure controls/personal protection

**8.1 Control parameters**

**Workplace exposure limits**

Not applicable.

**8.2 Exposure controls**

**Engineering measures**

Not applicable.

**Respiratory protection**

Respiratory protective device with particle filter.

**Hand protection**

Protective gloves.

**Eye protection**

Safety glasses. Ensure eye bath is to hand.

**Skin protection**

Protective clothing.

## 9.0 Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

Physical Form:

Colour:

**9.2 Other information**

Not applicable.

## 10.0 Stability and reactivity

**10.1 Reactivity**

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

**Hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4 Conditions to avoid**

Heat.

**10.5 Incompatible materials**

**Materials to avoid**

Strong acids. Strong oxidising agents.

## 11.0 Toxicological information

**11.1 Information on toxicological effects**

**Toxicity values**

Not applicable.

**11.2 Information on toxicological effects**

**Skin contact**

There may be mild irritation at the site of contact.

**Eye contact**

There may be irritation and redness.

**Ingestion**

There may be irritation of the throat.

**Inhalation**

There may be irritation of the throat with a feeling of tightness in the chest.

**Delayed / immediate effects**

Immediate effects can be expected after short-term exposure.

**Other information**

## 12.0 Ecological information

**12.1 Toxicity**

Not applicable.

**12.2 Persistence and degradability**

Biodegradable.

**12.3 Bioaccumulative potential**

No bioaccumulation potential.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment**

This substance is not identified as a PBT substance.

**12.6 Endocrine disrupting properties**

Negligible ecotoxicity.

## 13.0 Disposal considerations

### 13.1 Waste treatment methods

**Disposal operations**

Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB**

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14.0 Transport information

This product does not require a classification for transport.

## 15.0 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not applicable.

**Chemical Safety Assessment**

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## 16.0 Other information

**Other information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

**Legal disclaimer**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.