

# SAFETY DATA SHEET

**Creation Date** 01. December 2022  
**Revision Date** 05. December 2024  
**Revision Number** 3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name Timentin  
Product code ATB-TIMT01  
Brand GMExpression

### 1.2 Other means of identification

None

### 1.3 Relevant identified uses and uses advised against

Identified uses: For scientific research use only.  
Uses advised against: This product should not be used for pharmaceutical, household or other uses. This product is forbidden to be used on humans or animals.

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

Company: General Molecular Expression Service Pty Ltd. Address: ThincLab, Hannaford Building, Waite Road, SA 5064 AUSTRALIA  
E-mail: support@gmexpression.com

### 1.5 Emergency telephone

Emergency Phone Company emergency call (24/7): +61 481 192 170

## SECTION 2: Hazards identification

### 2.1 GHS Classification

Skin corrosion/irritation (Category 2), H315  
Serious eye damage/eye irritation (Category 2), H319  
Respiratory sensitisation (Category 1), H334  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statement(s)

H315

Causes skin irritation.

H319

Causes serious eye irritation.

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| H334                       | May cause allergy or asthma symptoms or breathing difficulties if inhaled.                                                 |
| H335                       | May cause respiratory irritation.                                                                                          |
| Precautionary statement(s) |                                                                                                                            |
| Prevention                 |                                                                                                                            |
| P261                       | Avoid breathing dust.                                                                                                      |
| P264                       | Wash skin thoroughly after handling.                                                                                       |
| P271                       | Use only outdoors or in a well-ventilated area.                                                                            |
| P280                       | Wear protective gloves/eye protection/face protection.                                                                     |
| P284                       | Wear respiratory protection.                                                                                               |
| Response                   |                                                                                                                            |
| P304 + P340 + P312         | If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell. |
| P337 + P313                | If eye irritation persists: Get medical advice/attention.                                                                  |
| P342 + P311                | If experiencing respiratory symptoms: Call a POISON CENTRE/doctor.                                                         |
| Storage                    |                                                                                                                            |
| P403 + P233                | Store in a well-ventilated place. Keep the container tightly closed.                                                       |
| Disposal                   |                                                                                                                            |
| P501                       | Dispose of contents/container to an approved waste disposal plant.                                                         |

**2.3 Other hazards - none**

**SECTION 3: Composition/information on ingredients**

**3.1 Substance/Mixture:** Mixture

**3.2 Mixtures**

Hazardous ingredients

| Component                    | Classification                                                                | Concentration |
|------------------------------|-------------------------------------------------------------------------------|---------------|
| <b>Ticarcillin disodium</b>  |                                                                               |               |
| CAS No. 4697-14-7            | Skin Irrit. 2; Eye Irrit. 2; Resp. Sens. 1; STOT SE 3; H315, H319, H334, H335 | <= 93.75%     |
| <b>Potassium clavulanate</b> |                                                                               |               |
| CAS No. 61177-45-5           | Skin Irrit. 2; Resp. Sens. 1; Skin Sens. 1; H334, H317                        | <= 6.25%      |

For the full text of the H-Statements mentioned in this Section, see Section 16.

**SECTION 4: First aid measures**

**4.1 Description of first-aid measures**

**General advice**

Consult a physician. Show this material safety data sheet to the doctor in attendance.

**In case of skin contact**

Rinse skin with plenty of water. Immediate medical attention is not required.

**In case of eye contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**If inhaled**

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

**If swallowed**

Make victim drink water (two glasses at most). Consult doctor if feeling unwell.

**Notes to Physician**

Treat symptomatically.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Carbon oxides

Mixture with combustible ingredients.

Development of hazardous combustion gases or vapours possible in the event of fire.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing dust. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

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

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

**6.4 Reference to other sections**

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Advice on safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

#### Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

For precautions see section 2.2.

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

#### Storage conditions

Keep the container tightly closed in a dry and well-ventilated place.

#### Storage stability

Recommended storage temperature: 2 ~ 8 °C

Moisture sensitive.

#### Storage class

Storage class (TRGS 510): 11: Combustible Solids.

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with workplace control parameters

We are not aware of any national exposure limit.

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166. 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

##### Body Protection

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Do not let product enter drains.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

|                                                 |                                               |
|-------------------------------------------------|-----------------------------------------------|
| A) Physical state                               | Form: powder<br>Colour: white to light yellow |
| B) Colour                                       | No data available                             |
| C) Odour                                        | No data available                             |
| D) Melting point/freezing point                 | No data available                             |
| E) Initial boiling point and boiling range      | No data available                             |
| F) Flammability (solid, gas)                    | No data available                             |
| G) Upper/lower flammability or explosive limits | No data available                             |
| H) Flash point                                  | No data available                             |
| I) Autoignition temperature                     | No data available                             |
| J) Decomposition temperature                    | No data available                             |
| K) PH                                           | No data available                             |
| L) Viscosity                                    |                                               |
| Viscosity, kinematic:                           | No data available                             |
| Viscosity, dynamic:                             | No data available                             |
| M) Water solubility                             | No data available                             |
| N) Partition coefficient n-octanol/water:       | No data available                             |
| O) Vapour pressure                              | No data available                             |
| P) Density                                      | No data available                             |
| Relative density                                | No data available                             |
| Q) Relative vapour density                      | No data available                             |
| R) Particle characteristics                     | No data available                             |
| S) Explosive properties                         | Not classified as explosive.                  |
| T) Oxidising properties                         | none                                          |

**9.2 Other safety information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

- 10.2 Chemical stability**  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**  
No data available
- 10.4 Conditions to avoid**  
No data available
- 10.5 Incompatible materials**  
Strong oxidising agents
- 10.6 Hazardous decomposition products**  
In the event of fire: see section 5

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Mixture

#### Acute toxicity

Oral: No data available.  
Dermal: No data available.  
Vapour: No data available.

#### Skin corrosion/irritation

No data available

#### Serious eye damage/eye irritation

No data available

#### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available

#### Specific target organ toxicity -single exposure

No data available

#### Specific target organ toxicity -repeated exposure

No data available

#### Aspiration hazard

No data available

### 11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Mixture**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Endocrine disrupting properties**

No data available

**12.7 Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID: -

IMDG: -

IATA-DGR: -

**14.2 UN proper shipping name**

ADR/RID:

Not dangerous

IMDG:

Not dangerous

IATA-DGR:

Not dangerous

**14.3 Transport hazard classes**

ADR/RID: -

IMDG: -

IATA-DGR: -

**14.4 Packaging group**

ADR/RID: -

IMDG: -

IATA-DGR: -

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA-DGR: no

**14.6 Special precautions for user****14.7 Incompatible materials**

Strong oxidising agents

**Further information**

Not classified as dangerous in the meaning of transport regulations.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation

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

#### Authorisations and/or restrictions on use

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

H315 Causes skin irritation.

H315 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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