

## Safety Data Sheet TRYPSIN ex Pig Pancreas BIOCHEMICAL 1:250

SDS no. 4CY8BNYB • Version 1.0 • Date of issue: 2024-11-24

### SECTION 1: Identification

#### GHS Product identifier

Product name TRYPSIN ex Pig Pancreas BIOCHEMICAL 1:250

#### Other means of identification

Product Product Code

TRYPSIN ex Pig Pancreas BIOCHEMICAL 1:250 LR<tab:>TL032  
Parenzyme, Parenzymol, Tryptar

#### Recommended use of the chemical and restrictions on use

Product type: Enzyme derived from hog pancreas glands and U.S.P. approved diluent.

Dehairing hides and laboratory reagent.

#### Supplier's details

Name ChemSupply Australia Pty Ltd  
Address 38-50 Bedford Street  
5013 Gillman South Australia  
Australia

Telephone 08 8440 2000  
email [www.chemsupply.com.au](http://www.chemsupply.com.au)

#### Emergency phone number

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

### SECTION 2: Hazard identification

#### General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

#### Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 7

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- Respiratory sensitizer, Cat. 1
- Serious eye damage/eye irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity following single exposure, Cat. 3

#### GHS label elements, including precautionary statements

##### Pictograms



##### 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)

- |                |  |
|----------------|--|
| P261           | Avoid breathing dust/fume/gas/mist/vapors/spray.   |
| P264           | Wash hands thoroughly after handling.  |
| P271           | Use only outdoors or in a well-ventilated area.  |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection.   |
| P284           | [In case of inadequate ventilation] wear respiratory protection.   |
| P302+P352      | IF ON SKIN: Wash with plenty of water/soap   |
| P304+P340      | IF INHALED: Remove person to fresh air and keep comfortable for breathing.   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P312           | Call a POISON CENTER/doctor/physician if you feel unwell.  |
| P321           | Specific treatment (see ... on this label).  |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P337+P313      | If eye irritation persists: Get medical advice/attention.  |
| P342+P311      | If experiencing respiratory symptoms: Call a POISON CENTER/doctor/physician  |
| P362+P364      | Take off contaminated clothing and wash it before reuse.   |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.   |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container to an approved waste disposal facility   |

## SECTION 3: Composition/information on ingredients

##### Mixtures

##### Components

Component	CAS no.	Concentration
Trypsin (EC no.: 232-650-8; Index no.: 647-010-00-7)	9002-07-7	<= 100 % (weight)
CLASSIFICATIONS: Specific target organ toxicity following single exposure, Cat. 3; Skin corrosion/irritation, Cat. 2; Serious eye damage/eye irritation, Cat. 2A; Respiratory sensitizer, Cat. 1. HAZARDS: 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.		

## SECTION 4: First-aid measures

**Description of necessary first-aid measures**

General advice	First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If persistent irritation occurs, obtain medical attention.
If swallowed	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Most important symptoms/effects, acute and delayed**

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

**Indication of immediate medical attention and special treatment needed, if necessary**

For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

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**SECTION 5: Fire-fighting measures****Suitable extinguishing media**

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

**Specific hazards arising from the chemical**

Hazards from Combustion Products: May liberate toxic fumes.

**Special protective actions for fire-fighters**

Wear SCBA and structural firefighter's uniform.

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

Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.

Wear protective clothing specified for normal operations (see Section 8)

**Environmental precautions**

Avoid release into the environment.

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

Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

Avoid release into the environment.

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**SECTION 7: Handling and storage****Precautions for safe handling**

Light and moisture sensitive.

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Avoid generation or accumulation of dusts. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands and face thoroughly after working with material.  
Avoid contact with eyes, skin and clothing.

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

Store away from oxidizing agents. Store in a cool, well ventilated area, out of direct sunlight. Keep containers closed when not in use.  
Store in original container. Keep away from heat and other sources of ignition.

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## SECTION 8: Exposure controls/personal protection

#### Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

##### Skin protection

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand Protection: Ensure hand protection complies with AS 2161, Occupational protective gloves - Selection, use and maintenance.

##### Body protection

Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

##### Respiratory protection

Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

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## SECTION 9: Physical and chemical properties

#### Basic physical and chemical properties

Physical state	Solid
Appearance	Yellow to grayish powder.
Color	No data available.
Odor	No data available.
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.

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Auto-ignition temperature  
Decomposition temperature  
Oxidizing properties  
pH  
Kinematic viscosity  
Solubility  
Partition coefficient n-octanol/water (log value)  
Vapor pressure  
Evaporation rate  
Density and/or relative density  
Relative vapor density  
Particle characteristics

No data available.  
No data available.  
No data available.  
~5 (10g/L)  
No data available.  
Solubility in Water: Soluble.  
No data available.  
No data available.  
No data available.  
No data available.  
No data available.  
No data available.

#### Supplemental information regarding physical hazard classes

No data available.

#### Further safety characteristics (supplemental)

No data available.

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## SECTION 10: Stability and reactivity

#### Reactivity

Stable under normal conditions of storage and handling.

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

Hazardous Polymerization: Will not occur.

#### Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

#### Incompatible materials

Strong oxidisers.

#### Hazardous decomposition products

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>)

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## SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Acute Toxicity - Oral: LD<sub>50</sub> (rat): 5 g/kg

[8P] Respiratory Irritation: H335 May cause respiratory irritation.

##### Skin corrosion/irritation

May be irritating to skin. The symptoms may include redness, itching and swelling.

##### Serious eye damage/irritation

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Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

#### Respiratory or skin sensitization

Respiratory sensitisation:

Sensitization - Respiratory: Category 1

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

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### Specific target organ toxicity (STOT) - single exposure

May cause respiratory irritation.

#### Specific target organ toxicity (STOT) - repeated exposure

Not classified based on available information.

#### Aspiration hazard

Not classified based on available information.

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## SECTION 12: Ecological information

#### Toxicity

Ecotoxicity: Contains no substances known to be hazardous to the environment.

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## SECTION 13: Disposal considerations

#### Disposal methods

#### Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

#### Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

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## SECTION 14: Transport information

#### ADG (Road and Rail)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

**Safety, health and environmental regulations specific for the product in question****Australia SUSMP**

Poison Schedule: NS

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**SECTION 16: Other information****Further information/disclaimer**

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

**Preparation information**

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Standard for the Uniform Scheduling of Medicines and Poisons, Commonwealth of Australia

National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'

Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', July 2020.

Safe Work Australia, 'National Guide for Classifying Hazardous Chemicals', July 2020.

Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants, December 2019

Safe Work Australia, Hazardous Chemical Information System (HCIS), [hcis.safeworkaustralia.gov.au](https://hcis.safeworkaustralia.gov.au)

IATA, Dangerous Goods Regulations (DGR)

IMO, International Maritime Dangerous Goods Code (IMDG)