

## Purified Equine Tetanus Antitoxin 2000 IU

**MATERIAL SAFETY DATA SHEET**  
**Date of Issue: 28 March 2019**

### IMPORTANT NOTICE

This Material Safety Data Sheet (MSDS) is prepared by Padula Serums Pty. Ltd. in accordance with Safe Work Australia National Code of Practice for the Preparation of Safety Data Sheets (Feb 2016). The information contained herein must not be altered or deleted. Additional information may be appended to the SDS, but it must be marked clearly to indicate that it is not part of the original.

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name</b>	Purified Equine Tetanus Antitoxin 2000 IU
<b>Other Names</b>	Tetanus antitoxin
<b>Manufacturers Product Code</b>	TAT
<b>APVMA Approval No.</b>	83905/109219
<b>Use</b>	Prevention and treatment of tetanus in horses.
<b>Supplier Name</b>	Padula Serums Pty Ltd
<b>Address</b>	100 Bosworth Rd, Bairnsdale, Victoria, 3875
<b>Telephone</b>	03 5153 0160

### 2. HAZARDS IDENTIFICATION

**Not classified as hazardous according to the criteria of Safe Work Australia.**  
**Not classified as a dangerous good by the criteria of the Australian Dangerous Goods Code.**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Name</b>	<b>CAS number</b>	<b>Proportion</b>
Tetanus Antitoxin	-	>2000 IU
Phenol	7647-14-5	0.22% (w/v)
Sodium chloride	108-95-2	0.9% (w/v)
Equine plasma protein	-	<17%
Water for injection	-	Up to 100%

#### **4. FIRST AID MEASURES**

**Accidental Injection** If allergic reaction occurs seek immediate medical attention.

**Eye** Separate eyelids with fingers. Flush with copious amounts of water for at least 15 minutes.

**Swallowed** DO NOT induce vomiting. If exposed subject is fully conscious, wash out mouth with water and give plenty of water to drink. If hypersensitivity occurs, seek immediate medical attention.

**Skin** Remove contaminated clothing. Flush area with copious amounts of water.

**First Aid Facilities** Adrenaline should always be readily available whenever the injection is given.

**Aggravated Medical Conditions** In individuals hypersensitive to horse plasma protein, may precipitate an acute allergic reaction. Symptoms and signs of anaphylaxis include pallor, rapid heart rate, shortness of breath, skin rash, hives, coughing, bronchospasm or loss of consciousness.

**Advice To Doctor** Treat symptomatically. Cases of anaphylaxis may require treatment with adrenaline, oxygen, intravenous steroids and airway management including intubation.

The sooner the onset of an allergic reaction, the more severe the reaction.

#### **5. FIRE FIGHTING MEASURES**

**Fire/Explosion Hazard** Non-combustible. Not considered a significant fire risk.

**Fire Extinguishing Media** No restrictions.

**Hazchem Code** None allocated.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Minor Spills**

- Wear protective gloves and safety glasses.
- Remove broken glass.
- Clean up spill immediately using absorbent paper towels.
- Place spilled material in clean, dry, sealed container for disposal.
- Decontaminate area with 1% sodium hypochlorite in water.

**Major Spills**

- Wear protective gloves and safety glasses.
- Contain and absorb spills using earth, sand or inert absorbent.
- Remove broken glass.

- Collect residues and seal in labelled drums for disposal.
- Decontaminate area with 1% sodium hypochlorite in water.

## **7. HANDLING AND STORAGE**

- Transport and store at 2 to 8 degrees C (do not freeze).
- Protect from light.
- Store as per Schedule 4 pharmaceutical.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Standards** No exposure limits set by SWA or ACGIH

**Engineering Controls** None under normal operating conditions.

**Personal Protection** For good infection control, gloves should be worn when administering an injection. The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information, consult your Occupational Health and Safety Adviser.

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

**Appearance** Pale blue coloured, slightly viscous, transparent solution in a glass vial.

**Odour** Slight odour

**pH** 6.5-7.0

**Boiling Point/Melting Point** Not determined

**Vapour Pressure** Not determined

**Vapour Density** Not determined

**Specific Gravity** 1.062

**Flashpoint** Not flammable

**Flammability Limits** Not flammable

**Solubility in Water** Miscible

## **10. STABILITY AND REACTIVITY**

**Reactivity** Not known to be incompatible with other materials.

**Stability** Stable under anticipated storage and handling conditions (refer section 7).

**Decomposition Products** Not determined

## **11. TOXICOLOGICAL INFORMATION**

**Special Warning:** When medicinal products prepared from animal plasma are administered, infectious diseases due to the transmission of infective agents cannot be totally excluded.

This applies to pathogens of hitherto unknown origin. Historically there have been no known recorded cases of transmission of viruses by antivenom products.

**Accidental Injection** May cause redness at injection site. In individuals hypersensitive to horse plasma protein, may precipitate an acute allergic reaction. Symptoms and signs of anaphylaxis include pallor, rapid heart rate, and shortness of breath, skin rash, hives, coughing, bronchospasm or loss of consciousness.

**Eye** May cause irritation.

**Swallowed** May cause irritation of the gastro-intestinal tract. In hypersensitive individuals, may precipitate an acute allergic reaction (anaphylaxis). Severe allergic reactions will usually occur within the first few hours of ingestion, see Acute Health Effects: Accidental Injection.

**Skin** Nil in non-allergic individuals. May cause irritation in hypersensitive individuals.  
Inhaled Not an expected route of exposure

**Chronic Health Effects** Chronic or repeated exposure may produce reactions in persons sensitive to horse plasma proteins.

## 12. ECOLOGICAL INFORMATION

- No data available.
- For good environmental practice avoid discharge to waterways.

## 13. DISPOSAL CONSIDERATIONS

- In accordance with state land and waste management authority.
- Used bottles should be wrapped in paper and disposed of in a domestic or industrial rubbish bin.

## 14. TRANSPORT INFORMATION

<b>UN Number</b>	None allocated
<b>DG Class</b>	None allocated
<b>Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	None allocated
<b>Hazchem Code</b>	None allocated

## 15. REGULATORY INFORMATION

**Poisons Schedule Number** Schedule 4 (S4) – Prescription only medicine

## **16. OTHER INFORMATION**

**Last Revised:** 28 March 2019

**Company Contact Person:** Dr Andrew Padula BVSc  
Tel.: 03 5153 0160

Australian Poisons Information Centre, 24 hour service: 13 11 26  
Australian Police, Fire Brigade or Ambulance: 000

### **References**

- Safe Work Australia
- Australian Dangerous Goods Code
- Chemical Abstract Service (CAS) Number

**Disclaimer** Whilst the information contained in this document is based on data which, to the best of our knowledge, was accurate and reliable at the time of preparation, no responsibility can be accepted by us for errors and omissions. Users are advised to make their own determination as to the suitability of this information in relation to their particular purposes and specific circumstances. Since the information contained in this document may be applied under conditions beyond our control, we can accept no responsibility for any loss or damage by any person acting or refraining from action as a result of this information.

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