



ARGUTUS MEDICAL  
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**MATERIALS SAFETY DATA SHEET**

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING:**

**Product Name:** Rat Urinary Stabilising Buffer      **Cat No.** BIO86RTSTB

**USE:** Rat Urinary Stabilising Buffer.

**Company:** Argutus Medical LTD,  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS:**

<u>Reagent</u>	<u>Content</u>
Rat Urine Stabilising Buffer:	10 ml of stabilising buffer. <b>Contains Thiomersal, Sodium Azide and Aprotinin.</b>

**NOTE:** All concentrations of harmful/irritant/corrosive/sensitising substances are at  $\leq 1.0\%$  w/w and all concentrations of toxic/carcinogenic/mutagenic substances are at  $\leq 0.1\%$  w/w in preparations unless otherwise stated.

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**3. HAZARDS IDENTIFICATION:**

**Thiomersal** is toxic by inhalation, in contact with skin and if swallowed. Is irritating to eyes, respiratory system and skin. It is a possible mutagen which may affect kidneys and nerves.

**Sodium Azide** is an irritant. Avoid contact with components containing azide. Do not ingest or inhale. Harmful if swallowed. Contact with acids liberates very toxic gas.

**Aprotinin** may cause sensitization by inhalation and skin contact.



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#### 4. FIRST AID MEASURES:

- Inhalation:** If exposure is severe remove to fresh air.
- Skin Contact:** Wash skin with copious amounts of water.
- Eye Contact:** Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing of the eyes by separating the eyelids. If any irritation persists, obtain medical assistance.
- Ingestion:** Wash out mouth with copious amounts of water. Give plenty of water to drink. Obtain medical attention if large quantity is ingested.

#### 5. FIRE FIGHTING MEASURES:

Extinguishing media: Carbon dioxide, dry chemical powder, or appropriate foam.  
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Some components may decompose and emit toxic fumes under fire conditions (Sodium Azide, Thiomersal, Aprotinin).

#### 6. ACCIDENTAL RELEASE MEASURES:

**Environmental precautions:** Urine Stabilising Buffer contains Sodium Azide, which may form potentially explosive metal Azides with lead and copper plumbing. For disposal, the reagent should be flushed with large volumes of water to prevent Azide build up.

**Methods for cleaning up:** Wipe up spills with absorbent paper, then clean area with a concentrated chlorine solution and copious amounts of water. Discard all materials used to wipe up spills using biohazard waste facilities. Avoid contact with skin and clothing.

#### 7. EXPOSURE CONTROL (PERSONAL PROTECTION)

- Inhalation:** Use with adequate ventilation. Avoid inhalation.
- Eye Contact:** Wear goggles or safety glasses.
- Skin Contact:** Wear impermeable gloves and appropriate lab apparel.



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### 8. HANDLING AND STORAGE:

- Handling:** All urine specimens should be handled as though potentially biohazardous. Do not breath in vapours from components and do not get in eyes, on skin, on clothing.
- Specific Use:** Laboratory use only.
- Storage:** Store reagent at 2-8°C.

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Not Applicable.

### 10. STABILITY AND REACTIVITY:

Urine Stabilising Buffer contains Sodium Azide, which may form potentially explosive metal Azide with lead and copper plumbing. Sodium Azide explodes when heated and may form hazardous combustion or decomposition products.

Thiomersal and Aprotinin are incompatible with strong oxidising agents, strong acids and strong bases.

### 11. TOXICOLOGICAL INFORMATION:

The reagent contains Sodium Azide, which is toxic by inhalation, in contact with skin and/or if swallowed. Thiomersal may be fatal if inhaled / swallowed.

### 12. ECOLOGICAL INFORMATION:

Thiomersal is highly toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

### 13. DISPOSAL / CONSIDERATIONS

Observe all Federal, State and Local laws concerning health, disposal and pollution. Dispose of all specimens and components according to established safety procedures.

### 14. TRANSPORT INFORMATION:

This manufactured product is not subject to the International Air Transport Association Dangerous Goods Regulations (46<sup>th</sup> Edition), refer section 3.6.2.3 of regulations.



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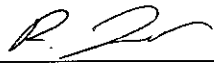
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**15. REGULATORY INFORMATION AND CONSIDERATIONS:**

European Union Directive 67/548/EEC;  
European Union Directive 1999/45/EC;  
EU Regulation 1907/2006  
Products are manufactured using GMP

**16. OTHER INFORMATION:**

**Training:** This product should only be handled by individuals technically qualified in handling potentially biohazardous material. The contents of this MSDS should be known before use. Observe precautionary statement provided.

Approved:   
Health and Safety Officer

Date: 31/03/09

Approved:   
Senior Management Team Member

Date: 31/03/09