

# MATERIAL SAFETY DATA SHEET

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Revision: D



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## 1. Identification of the substance/preparation and company

**Product Name:** Intact Proinsulin Kit:  
(1) Assay Standards  
(2) Labelled Antibody Concentrate  
(3) Labelled Antibody Diluent  
(4) Sample Buffer  
(5) Coated Microtitre Plate  
(6) Wash Buffer Concentrate

**Product Use:** In vitro diagnostics

**Company:** Invitron Limited  
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## 2. Composition/information on ingredients

**Substance/preparation:** Preparation

Water based buffers containing the following hazardous ingredients:

Name	CAS No.	EC No.	Conc. (%)	Classification
Sodium Azide (2,3,4)	26628-22-8	215-778-9	<0.05	R28,R32, R50/53
Thiomersal (6)	54-64-8	200-210-4	<0.05	R26/27/28

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## 3. Hazards identification

There are no ingredients present at concentrations that are classified as hazardous to health or the environment (EU 67/548/EEC and 1999/45/EC).

#### 4. First aid measures

- Eye contact:** (1-6) Flush with water. **Obtain medical attention.**
- Skin contact:** (1-6) Wash skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, **obtain medical attention.**
- Inhalation:** (1-6) Remove from exposure, **obtain medical attention.**
- Ingestion:** (1-6) **Obtain medical attention.**
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#### 5. Fire-fighting measures

- Flammability:** (1-6) **Non-flammable**
- Extinguishing media:** (1-6) No restriction
- Flash point (deg C):** (1-6) Not applicable
- Explosive limits (%):** (1-6) Not applicable
- Fire fighting procedures:** (1-6) Standard procedures. Protective clothing and self-contained breathing apparatus for confined spaces.
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#### 6. Accidental release measures

- Precautions:** (1-6) Wear appropriate protective clothing. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on an inert absorbent, transfer to container and arrange removal by disposal company.
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#### 7. Handling and storage

- Handling:** (1- 6) Wear appropriate personal protective equipment. Avoid contact with skin and eyes.
- Storage:** (1- 6) Store in original container in a dry, cool, well ventilated area. Containers that have been opened must be carefully resealed and stored upright to prevent leakage.
- Special requirements:** (1- 6) None
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#### 8. Exposure controls/personal protection

##### Workplace exposure limits (EH40/2005):

Name	Short term exposure limit 15 min reference period	Long term exposure limit 8 hour TWA reference period
Sodium Azide (2,3,4)	0.3 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>

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## Occupational exposure controls:

<b>Respiratory:</b>	(1-6) Not applicable
<b>Ventilation:</b>	(1-6) Not applicable
<b>Hand protection:</b>	(1-6) Chemical resistant gloves (butyl rubber, PE or PVC)
<b>Eye protection:</b>	(1-6) Chemical safety glasses
<b>Other measures:</b>	(1-6) If handling large quantities - plastic apron, sleeves, boots

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## 9. Physical and chemical properties

<b>Appearance:</b>	(1, 5) White, Solid (2,3,4,6) Colourless liquid
<b>Odour:</b>	(1-6) None
<b>M Pt (deg C):</b>	(1-6) Not available
<b>B Pt (deg C):</b>	(1-6) Not available
<b>Specific Gravity:</b>	(1-6) Not available
<b>Flash point (deg C):</b>	(1-6) Not available
<b>Explosive limits (%):</b>	(1-6) Not available
<b>Vapour pressure:</b>	(1-6) Not available
<b>Vapour density:</b>	(1-6) Not available
<b>Solubility in water:</b>	(1-6) Miscible in all proportions

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## 10. Stability and reactivity

<b>Chemical Stability:</b>	(1-6) The product is stable
<b>Hazardous reactions:</b>	(1-6) None known when used appropriately
<b>Hazardous decomposition products:</b>	(1-6) None known

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## 11. Toxicological information

<b>Eyes:</b>	(6) May causes eye irritation.
<b>Skin:</b>	(1-6) Not applicable
<b>Inhalation:</b>	(1-6) Not applicable
<b>Ingestion:</b>	(1-6) Not applicable
<b>Other:</b>	(1-6) Quantitative data on the toxicity of this product are not available. Handle in accordance with good industrial hygiene and safely practice.

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## 12. Ecological information

Not available

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## 13. Disposal considerations

Disposal should comply with the requirements of environmental protection and waste disposal legislation and regional local authority requirements.

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## 14. Transport information

### International transport regulations:

Not regulated, non-hazardous for transport

UN Number	Shipping Name	Classes	Packing Group
N/A	N/A	N/A	N/A

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## 15. Regulatory information

Classification has been determined according to EU 67/548/EEC and 1999/45/EC.

<b>Product Use</b>	Industrial applications
<b>Hazard symbol:</b>	N/A
<b>Warnings:</b>	N/A
<b>Precautions:</b>	N/A

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## 16. Other information

<b>Risk Phrases referred to in section 2</b>	R26/27/28: Very toxic by inhalation, in contact with skin and if swallowed R32: Contact with acids liberates very toxic gas R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
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The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.

This product, or the components thereof, is not for internal or external use in humans or animals. Use only as directed on the enclosed package insert. Invitron Ltd will assume no liability for the improper use of this product. Good laboratory practice should be observed at all times. Skin, mucous membranes, or eyes that come into contact with this product should be irrigated with plenty of water. If irritation results or persists, obtain medical attention.

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