

# Chromogen Solution

## SAFETY DATA SHEET

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**IMPORTANT NOTICE** This Safety Data Sheet (SDS) is prepared by Seqirus Pty. Ltd. in accordance with Safe Work Australia National Code of Practice for the Preparation of Safety Data Sheets (July 2020). 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>                | Chromogen Solution (component of Snake Venom Detection Kit)                           |
| <b>Other Names</b>                 | Not applicable  |
| <b>Manufacturer's Product Code</b> | 21320400L (03100201 - Snake Venom Detection Kit)                                      |
| <b>Use</b>                         | Colour indicator used in Snake Venom Detection Kit. For in vitro diagnostic use only. |
| <b>Supplier Name</b>               | Seqirus Pty Ltd (ABN 26 160 735 035)  |
| <b>Address</b>                     | 63 Poplar Road, Parkville, Victoria 3052, Australia                                   |
| <b>Telephone</b>                   | +61 3 9389 2000   |
| <b>Emergency Telephone</b>         | 1800 642 865 (24hr)   |

### 2. HAZARDS IDENTIFICATION

**Classified as hazardous according to the criteria of SWA**

**GHS Classification(s)** Toxic to Reproduction – category 1B  
 Skin Corrosion / Irritation – category 2  
 Serious eye damage / irritation – category 2A  
 Acute Toxicity – Dermal – category 4  
 Acute Toxicity – Inhalation – category 4

**Signal Word** DANGER

**Pictogram(s)**



**Hazard Statement(s)** H360 May damage fertility or the unborn child  
 H312 Harmful in contact with skin  
 H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H332 Harmful if inhaled

**Prevention statement(s)** P201 Obtain special instructions before use  
 P202 Do not handle until all safety precautions have been read and understood  
 P280 Wear protective gloves/ protective clothing.  
 P264 Wash thoroughly after handling  
 P261 Avoid breathing vapours.

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|                 |  |
|-----------------|--|
| <b>Response</b> | P308 + P313 If exposed or concerned: Get medical advice / attention<br>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 If eye irritation persists: Get medical advice/attention.<br>P302 + P352 IF ON SKIN: Wash with plenty of soap and water.<br>P332 + P313 If skin irritation occurs: Get medical advice/attention.<br>P362 Take off contaminated clothing and wash before reuse.<br>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| <b>Storage</b>  | P405 Store locked up   |
| <b>Disposal</b> | P501 Dispose of contents and/or container in accordance with State / Territory Regulations   |

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <i>Chemical Name:</i>             | <i>CAS number:</i> | <i>Proportion:</i> |
|-----------------------------------|--------------------|--------------------|
| Dimethyl formamide                | 68-12-2            | 25%                |
| Citric Acid Monohydrate           | 5949-29-1          | <1%                |
| Di-sodium Hydrogen Orthophosphate | 7558-79-4          | <1%                |
| 3,3',5,5' Tetramethylbenzidine    | 54827-17-7         | <1%                |
| Distilled water                   | -                  | Up to 100%         |

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### 4. FIRST AID MEASURES

**Eye** Immediately flush with lukewarm gently flowing water for 20 minutes, by the clock, holding the eyelid(s) open. If irritation persists seek immediate medical attention.

**Swallowed** Seek immediate medical attention. Do not induce vomiting. Flush mouth with water.

**Skin** Remove contaminated clothing. Immediately flush affected area with lukewarm gently flowing water for at least 20 minutes, by the clock. If irritation persists seek immediate medical attention.

Completely decontaminate clothing, shoes and leather goods before re-use or discard.

**Inhaled** Move victim to fresh air. Seek immediate medical attention..

**First Aid Facilities** Ensure water is available at point of use.

**Advice To Doctor** Treat symptomatically.

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### 5. FIRE FIGHTING MEASURES

**Fire/Explosion Hazard** Hazardous fumes may be emitted from fire involving this product therefore self-contained breathing apparatus and full protective equipment is recommended for fire fighters. Do not allow fire-fighting run-off to enter open drains or sewer.

**Fire Extinguishing Media** Dry powder  
CO2  
Foam

**Hazchem Code** None allocated

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## 6. ACCIDENTAL RELEASE MEASURES

- Spills**
- Wear protective gloves (butyl rubber), respiratory protection from vapour and chemical safety goggles.
  - Do not allow material to enter open drains or sewer.
  - Contain and absorb spills using earth, sand or inert absorbent.
  - Place spilled material in clean, dry, sealed container for disposal.
  - Wash area with copious amounts of water.

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## 7. HANDLING AND STORAGE

Transport and store at 2 to 8 degrees C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Standards** Dimethylformamide:

- TWA (ppm): 10
- TWA (mg/m<sup>3</sup>): 30
- Skin absorption notice

**Engineering Controls** Local exhaust ventilation required.

**Personal Protection** Wear protective gloves (butyl rubber) and chemical goggles when handling this product.  
If an inhalation risk exists, wear an organic vapour respirator.  
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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Clear solution.

**Odour** Odourless

**pH** 4.8-5.2

**Boiling Point/Melting Point** Not determined

**Vapour Pressure** Not determined

**Vapour Density** Not determined

**Specific Gravity** Not determined

**Flashpoint** Not determined

**Flammability Limits** Not determined

**Solubility in Water** Aqueous Solution

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## 10. STABILITY AND REACTIVITY

**Reactivity** Incompatible with strong oxidising agents, halogenated hydrocarbons.

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

**Decomposition Products** Nitrous gases.

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**11. TOXICOLOGICAL INFORMATION**

|                               |  |
|-------------------------------|--|
| <b>Eye</b>                    | Irritating to the eyes.  |
| <b>Swallowed</b>              | May be Harmful if swallowed. Symptoms may include gastro-intestinal tract discomfort, vomiting and nausea.                         |
| <b>Skin</b>                   | Harmful and irritating in contact with skin.   |
| <b>Inhaled</b>                | Harmful if inhaled. May cause irritation of the respiratory tract.   |
| <b>Chronic Health Effects</b> | Prolonged or repeated over-exposure may cause liver, kidney and cardiovascular damage.<br>May damage fertility or the unborn child |

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**12. ECOLOGICAL INFORMATION**

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

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**13. DISPOSAL CONSIDERATIONS**

- In accordance with state land and waste management authority.
- Dispose via a licensed waste facility.

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**14. TRANSPORT INFORMATION**

**Not classified as a dangerous good by the criteria of the ADG Code.**

|                        |                              |
|------------------------|------------------------------|
| <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               |
| <b>Other</b>           | Transport between 2 and 8°C. |

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**15. REGULATORY INFORMATION**

**Poisons Schedule Number** S6 - Classified as a Schedule 6 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

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**16. OTHER INFORMATION**

|                            |                             |
|----------------------------|-----------------------------|
| <b>Last Revised</b>        | 17 November 2021            |
| <b>Reason for Revision</b> | SDS underwent 5-year review |

**Abbreviations**

|             |  |
|-------------|--|
| SWA–        | Safe Work Australia  |
| WHS–        | Work, Health and Safety                                    |
| GHS–        | Global Harmonised System                                   |
| APF–        | Australian Pharmaceutical Formulary                        |
| ACGIH–      | American Conference of Governmental Industrial Hygienists. |
| ADG Code–   | Australian Dangerous Goods Code                            |
| UN Number–  | United Nations Number                                      |
| DG Class–   | Dangerous Goods Class                                      |
| CAS Number– | Chemical Abstract Service Number                           |
| TWA–        | Time Weighted Average over 8 hrs                           |

**Contact Point**

|  |                    |
|--|--------------------|
| Company Contact:   | 1800 642 865(24hr) |
| Australian Poisons Information Centre, 24 hour service:  | 13 11 26           |
| Australian Police, Fire Brigade or Ambulance:            | 000                |
| New Zealand Poisons Information Centre, 24 hour service: | 0800 764 766       |
| New Zealand Police, Fire Brigade or Ambulance:           | 111                |

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