



Chromogen Solution

MATERIAL SAFETY DATA SHEET

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IMPORTANT NOTICE This Material Safety Data Sheet (MSDS) is prepared by CSL Limited in accordance with the Australian National Occupational Health & Safety Commission National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011(2003)]. The information contained herein must not be altered or deleted. Additional information may be appended to the MSDS, but it must be marked clearly to indicate that it is not part of the original.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Chromogen Solution (component of Snake Venom Detection Kit)

Other Names Not applicable

Manufacturer's Product Code 21320400L (03100201 - Snake Venom Detection Kit)

Use Colour indicator used in Snake Venom Detection Kit. For *in vitro* diagnostic use only.

Supplier Name CSL Limited (ABN 99 051 588 348)

Address 45 Poplar Road, Parkville, Victoria 3052, Australia

Telephone +61 03 9389 1911

Emergency Telephone 03 9389 1984 (24hr)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of NOHSC
Not classified as a dangerous good by the criteria of the ADG Code

Risk Phrases – May cause harm to the unborn child (R61)
– Harmful by inhalation and in contact with skin (R20/21)
– Irritating to eyes (R36)

Safety Phrases – Avoid exposure – obtain special instructions before use (S53)

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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. If more than 15 minutes from hospital, induce vomiting, preferably using Ipecac, APF.

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.

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

- Foam
- Dry chemical
- Carbon dioxide

Hazchem Code None allocated

6. ACCIDENTAL RELEASE MEASURES

Spills

- Wear protective gloves (butyl rubber) and chemical 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.

7. HANDLING AND STORAGE

Transport and store at 2 to 8 degrees C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards No exposure limits set by NOHSC or ACGIH

Engineering Controls Local exhaust ventilation required.

Personal Protection Wear protective gloves (butyl rubber) and chemical goggles when handling this product.

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 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

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.

11. TOXICOLOGICAL INFORMATION

Eye Irritating to the eyes.

Swallowed Toxic if swallowed. Symptoms may include gastro-intestinal tract discomfort, vomiting and nausea. May cause harm to the unborn child.

Skin Harmful in contact with skin.

Inhaled Harmful if inhaled. May cause irritation of the respiratory tract

Chronic Health Effects Prolonged or repeated over-exposure may cause liver, kidney and cardiovascular damage.

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.
- Dispose via a licensed waste facility.

14. TRANSPORT INFORMATION

UN Number None allocated
DG Class None allocated
Subsidiary Risk None allocated
Packing Group None allocated
Hazchem Code None allocated

15. REGULATORY INFORMATION

Poisons Schedule Number Not scheduled

16. OTHER INFORMATION

Last Revised 14 April 2010

Reason for Revision Reissue of MSDS.

Abbreviations

NOHSC – National Occupational Health and Safety Commission
ADG Code – Australian Dangerous Goods Code
UN Number – United Nations Number
DG Class – Dangerous Goods Class
CAS Number – Chemical Abstract Service Number

Contact Point

Company Contact: +61 3 9389 1984 (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: (03) 4747 000
New Zealand Police, Fire Brigade or Ambulance: 111

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