

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: January 2019  
Version No: 2

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**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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Product Name: Congo Red 0.1%  
Product Code: 0209  
Other Names: Nil  
Uses: Analytical Reagent

Supplier: Australian Chemical Reagents  
38-50 Bedford Street Gillman SA 5013

Contacts: Telephone: 61 08 84402000  
Fax: 61 08 84402001  
Emergency Phone: CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

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**2. HAZARDS INFORMATION**

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**GHS Classification** Carcinogenicity: Category 1B

**Signal Word(s)** DANGER  
**Pictogram(s)**



**Hazard Statement(s)** H350 May cause cancer.

**Precautionary Statement(s)  
Preventative** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read  
and understood.  
P281 Use personal protective equipment as required.

**Response** P308+P313 IF exposed or concerned: Get medical  
advice/attention.

**Storage** P405 Store locked up.

**Disposal** P501 Dispose of contents/container to an approved waste  
disposal plant.

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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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**Ingredients :**

Chemical Entity	CAS No	Proportion
Water	[7732-18-5]	99%

Congo red 0.1%

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#### 4. FIRST AID MEASURES

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Safety showers and eye wash facilities should be provided.

**Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

**Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

**Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice. Show this SDS to medical practitioner. Launder clothing before reuse.

**Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

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#### 5. FIRE FIGHTING MEASURES

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Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards From Combustion Products:**

Decomposition products include oxides of sodium.

**Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Ventilate area. Remove chemicals that can react with the spilled material.

**Methods and materials for containment and clean up:**

Use inert material such as sand or earth to contain spill or leak Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

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#### 7. HANDLING AND STORAGE

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**Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

**Conditions for Safe Storage:**

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

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#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**National Exposure Standards:**

Safe Work Australia – None known

**Biological Limit Values:** No data available.

**Engineering Controls:**

If mists are likely to be generated maintain atmospheric concentrations well below exposure standards with flameproof extraction ventilation.

**Personal Protective Equipment (PPE):**

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance :</b>	Liquid
<b>Odour:</b>	Nil
<b>pH:</b>	Not applicable
<b>Boiling Point (°C) :</b>	100
<b>Freezing/melting Point:</b>	Not applicable
<b>Specific Gravity :</b>	1.0
<b>Flash Point (°C) :</b>	Not applicable
<b>Flammability Limits (%) :</b>	Not applicable
<b>Solubility in Water (g/L) :</b>	Soluble

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## 10. STABILITY AND REACTIVITY

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### Chemical stability:

Stable.

### Conditions to avoid:

Excessive heat. Sunlight

### Incompatible materials:

No data available

### Hazardous decomposition products:

Refer to section 5 (Fire Fighting Measures).

### Hazardous reactions:

Hazardous polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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### Health Effects:

**Swallowed :** May cause irritation of the gastric system.

**Eye :** May be irritating to eye tissue.

**Skin :** May irritate skin tissue.

**Inhaled :** Not considered a hazard with normal laboratory use.

**Carcinogenicity :** Congo Red is a benzidine-based dye and benzidine has been classified by IARC (International Agency for Research on Cancer) as Group 1 carcinogens.

**Chronic Effects:** May cause cancer.

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## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity:

No data available.

### Persistence and degradability:

No data available.

### Mobility:

No data available.

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## 13. DISPOSAL CONSIDERATIONS

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Contact a licensed professional waste disposal service to dispose of this material and container. Observe all federal, state and local environmental regulations.

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## 14. TRANSPORT INFORMATION

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**UN Number:** Not applicable

**UN Proper Shipping Name:** Not applicable

**Class and subsidiary risk(s):** Not applicable

**Packing Group:** Not applicable

**Hazchem Code:** Not applicable

**Special precautions for user :** Nil

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## 15. REGULATORY INFORMATION

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**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

Not Scheduled

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## 16. OTHER INFORMATION

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END of SDS