

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: August 2017  
Version No: 1

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

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Product Name: Bromocresol Green 1%  
Product Code: 1081  
Other Names: Nil  
Uses: Indicator solution

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

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**1. HAZARDS INFORMATION**

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**GHS Classification**

Flammable Liquids: Category 2  
Serious Eye Damage/Irritation: Category 2A

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

DANGER



**Hazard Statement(s)**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

**Precautionary Statement(s)  
Preventative**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P242 Use only non-sparking tools.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P363 Wash contaminated clothing before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P370+P378 In case of fire: Use water spray, carbon dioxide or dry chemical for extinction.

**Storage** P403+P235 Store in a well-ventilated place. Keep cool.

**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 :**

<b>Chemical Entity</b>	<b>CAS No</b>	<b>Proportion</b>
Eriochrome black T	[ 76-60-8 ]	1.0%
Ethanol	[ 64-17-5 ]	99.0%

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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. Do NOT induce vomiting. 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 if irritation persists. 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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#### **Suitable Extinguishing Media:**

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

#### **Hazards From Combustion Products:**

Decomposition products include carbon monoxide.

#### **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.

**Hazchem Code:** •3YE

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### 6. ACCIDENTAL RELEASE MEASURES

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#### **Emergency procedures:**

Prevent from entering waterways. Isolate ignition sources. No smoking. 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. . Refer to AS 1940 - *The storage and handling of flammable and combustible liquids* for storage procedures. 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:

A time weighted average (TWA) has been established for Ethyl alcohol (Safe Work Australia) of 1,880 mg/m<sup>3</sup>, (1,000 ppm). The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

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

### Engineering Controls:

Not required with normal use. If mists are likely to be generated maintain atmospheric concentrations to minimal concentrations with flame proof 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>	Yellow liquid
<b>Odour:</b>	Ethereal vinous odour.
<b>pH:</b>	Not applicable
<b>Boiling Point (°C) :</b>	Approx 78°
<b>Freezing/melting Point:</b>	Not applicable
<b>Vapour Pressure (mm of Hg @ 25°C) :</b>	Not applicable
<b>Vapour Density:</b>	Not applicable
<b>Specific Gravity :</b>	0.81
<b>Flash Point (°C) :</b>	9
<b>Flammability Limits (%) :</b>	LEL 3.5 UEL 190
<b>Solubility in Water (g/L) :</b>	Miscible

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## 10. STABILITY AND REACTIVITY

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### Chemical stability:

Stable.

### Conditions to avoid:

Excessive heat.

### Incompatible materials:

Oxidising agents

### 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 be irritating to tissue. Ingestion of large quantities may cause gastro intestinal effects such as discomfort, vomiting, and diarrhoea.

**Eye :** Irritating to eye tissue

**Skin :** May be irritating to skin tissue.

**Inhaled :** Inhalation of vapours may irritate nose and throat. Aspiration of liquid into lungs can cause serious or fatal pneumonitis

**Chronic Effects:** Prolonged contact with skin may result in dermatitis.

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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. Observe all federal, state and local environmental regulations.

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## 14. TRANSPORT INFORMATION

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**UN Number:** 1993

**UN Proper Shipping Name:** FLAMMABLE LIQUID N.O.S. (contains ethanol)

**Class and subsidiary risk(s):** 3

**Packing Group:** 11

**Hazchem Code:** •3YE

**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):**

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## 16. OTHER INFORMATION

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END of SDS