

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: May 2021  
Version No: 1

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

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Product Name: M Indicator  
Product Code: 1013  
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>
Bromocresol Green Free Acid	[76-60-8]	<0.1%
Methyl Red	[493-52-7]	<0.1%
Methylene Blue 2R	[61-73-4]	<0.1%
Ethanol	[64-17-5]	100%

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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>	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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**Disclaimer:**

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Every person dealing with the materials referred to herein does so at his or her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

END of SDS