

# Material Safety Data Sheet

## Oxalate Sample Diluent

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Oxalate Sample Diluent

**Catalog Numbers:** TR86101

**Use:** This reagent comprises a component system that is intended for in vitro quantitative determination.

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Chemtel

24 Hour Emergency Assistance

1-800-255-3924

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### 2. HAZARDS IDENTIFICATION

Not Classified as hazardous according to the ASCC/NOHSC/EU criteria

**Hazard Classification:** NON-HAZARDOUS SUBSTANCE, NON DANGEROUS GOODS.

**Hazard Category:** None allocated

**RISK PHRASES**

None allocated

**SAFETY PHRASES**

S24/25 Avoid contact with skin and eyes.

**Poison Schedule:** None allocated [Aust].

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
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All ingredients in this product are not hazardous according to the ASCC/NOHSC/EU criteria.

### 4. FIRST AID MEASURES

**Swallowed:** If swallowed, **DO NOT** induce vomiting. If conscious, give 1 to 2 glasses of water to drink. Seek immediate medical assistance.

**Eye:** If material enters into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. If irritation persists transport to hospital or doctor.

**Skin:** If material falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.

**Inhaled:** Move victim to fresh air. Apply resuscitation if victim is not breathing.

**First Aid Facilities:** Eye wash fountain, safety shower and normal wash room facilities.

**Advice to Doctor:**

Treat symptomatically.

In case of poisoning, contact Poisons Information Centre

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Use extinguishing media suitable for surrounding fire situation.

**Hazards From Combustion Products:** Decomposes on heating emitting oxides of carbon and noxious smoke.

**Precautions for Fire Fighters and Special Protective Equipment:** If safe to do so, move undamaged containers from fire area. Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition.

**HAZCHEM CODE:** None allocated [Aust].

#### Flammability

This material is not a flammable or combustible solid.

### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Procedures:

Keep unnecessary people away. **Caution!** Avoid generating and inhaling dusts. Walk cautiously. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS.

#### Methods and Materials for Containment and Clean Up Procedures:

Throw diatomaceous earth or other inert material onto spill and then shovel up and seal in properly labelled containers for disposal.

### 7. HANDLING AND STORAGE

#### Precautions for Safe Handling:

Do not swallow. Provide adequate ventilation. Avoid generating dusts.

#### Conditions for Safe Storage:

Keep containers tightly closed in a cool place and out of direct sunlight. Store away from strong acids and oxidizers.

**DO NOT FREEZE.** Store away from sunlight. Store at 2-8°C and the reagent will be stable until the expiry date stated on the bottle and kit box labels. Store in original packages as approved by manufacturer.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure Standards

No exposure standards are available for this product.

#### Engineering Controls

Maintain adequate ventilation at all times. No other measures are required for this product.

#### Personal Protection Equipment

**GLOVES:** Medical grade nitrile gloves are recommended for incidental handling. Change gloves regularly or immediately if they are contaminated, torn or punctured.

**EYES:** Goggles or spectacles for spills.

**RESPIRATORY PROTECTION:** Avoid breathing of dusts. The use of a respirator is not normally required, however, if entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended. Select and use respirators in accordance with AS/NZS 1715/1716.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White powder with no odour.
<b>Boiling Point:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Vapour Pressure:</b>	Not available.
<b>Specific Gravity:</b>	Not available.
<b>Flash Point:</b>	Not applicable.
<b>Flammability Limits:</b>	Not applicable.
<b>Solubility in Water:</b>	Completely miscible.

#### Other Properties

**pH:** 7.6 ± 0.2 @ 19 - 22°C

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### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions of use.

**Conditions to Avoid:** Eye and prolonged skin contact and mixing with incompatibles.

**Incompatible Materials:** Strong mineral acids and oxidizers.

**Hazardous Decomposition Products:** Decomposes on heating emitting oxides of carbon and noxious smoke.

**Hazardous Reactions:** Will not occur.

### 11. TOXICOLOGICAL INFORMATION

There is no toxicological information available for this product, it is anticipated that the following information is accurate:

Oral LD50(rat): > 5,000 mg/kg

Dermal LD50(rabbit): > 5,000 mg/kg

#### Acute Health Effects

**Swallowed:** Drinking large quantities of this product, may cause irritation to mouth, throat and stomach, which may lead to nausea, vomiting and diarrhoea.

**Eye:** May cause mild irritation to the eyes, with effects including: tearing and blurred vision. These effects are anticipated to be of a transient (short acting) nature and no long term injury is envisaged.

**Skin:** May cause mild irritation to the skin.

**Inhaled:** May cause mild irritation to the respiratory system.

**Chronic:** Chronic effects from repeated or long-term occupational exposure to this preparation are unknown. Prolonged or repeated skin contact may cause dermatitis.

### 12. ECOLOGICAL INFORMATION

No ecological information available for this product.

#### Ecotoxicity:

No information for product.

#### Mobility:

No information for product.

#### Persistence / Degradability:

No information for product.

#### Chemical Fate Information:

No information available.

Do not dispose of large quantities to waterways, drains or sewers.

### 13. DISPOSAL CONSIDERATIONS

#### Methods of Disposal:

Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor.

#### Packaging:

Containers of this material may retain product residues. Handle contaminated packaging in the same way as the substance itself, by disposing in accordance with all applicable federal, state and local environmental and hazardous waste regulations.

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### 14. TRANSPORT INFORMATION

**UN Number:** None allocated.

**Proper Shipping Name:** NONE ALLOCATED.

**Dangerous Goods Class:** None allocated.

**Subsidiary risk:** None allocated.

**Packing Group:** None allocated.

**HAZCHEM CODE:** None allocated.

**Road and Rail Transport:** Not classified as a Dangerous Good according to the United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labeling of Chemicals.

**Air Transport:** Not classified as a Dangerous Good according to the International Civil Aviation Organization (ICAO) and International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

**Marine Transport:** Not classified as a Dangerous Good according to the International Maritime Organization Rules (Maritime Dangerous Goods Code - IMDG Code) for transport by sea.

### 15. REGULATORY INFORMATION

**Poison Schedule:** None allocated [Aust].

**Inventory Status:**

Australia (AICS)	Y
United States (TSCA)	Y
Canada (DSL)	Y
Europe (EINECS/ELINCS)	Y

Y = all ingredients are on the inventory.

If approved for European Communities use, this product is regulated under the In Vitro Diagnostic Medical Devices Directive (98/79/EC).

### 16. OTHER INFORMATION

Issue date: April, 2007.

**Key Legend Information:**

NOHSC - National Occupational Health & Safety Commission [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

Dangerous Goods - Initial Emergency Response Guide (SAA/SNZ HB76:1997) [Aust]

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

TSCA - Toxic Substances Control Act [US]

OSHA - Occupational Safety and Health Administration [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

Hazchem Code - Fire fighters designation [Aust]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

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### 16. OTHER INFORMATION (Continued)

EINECS - European Inventory of Existing Commercial Chemical Substances. [Int]

ELINCS - European List of Notified Chemical Substances. [Int]

EU - European Union [Int]

**EU Directives:** The classification criteria used, are adopted from the European Community's (EC) legislation for classifying dangerous substances. The criteria are taken from:

EC Council Directive 67/548/EEC

EC Council Directive 1999/45/EC

EU - European Union

[Aust/NZ] = Australian/New Zealand

[Int] = International

[US] = United States of America

**Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**Disclaimer**

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions which are available on request.

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**END OF MSDS**