



## Safety Data Sheet

Date of Issue: 11.09.2020

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### 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name: : **ECP Limited**  
Address: : PO Box 34125, Birkenhead, Auckland 0746  
Telephone: : +64 9 480 4386  
Facsimile: : +64 9 480 4385  
Emergency phone number: : 0800 243 622 (24 hours)

<b>Product</b>	<b>Buffer pH 4</b>	<b>Code</b>	<b>15801</b>
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**Recommended use** : Laboratory Investigations

### 2: Hazards identification

#### Hazard Classification:

New Zealand:

Not classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

### 3: Composition/information on ingredients

Ingredients	Name	CAS	Proportion
Ingredients determined not to be hazardous.	Buffer pH 4		100 %

### 4: First aid measures

#### Inhalation

If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

#### Ingestion

Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

#### Skin

Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

#### Eye

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

#### First Aid Facilities

Eyewash and normal washroom facilities.

#### Advice to Doctor

Treat symptomatically.

## 5: Firefighting measures

### Suitable Extinguishing Media

Use appropriate fire extinguisher for surrounding environment.

### Hazards from Combustion Products

Non-combustible material.

### Specific Hazards

This product is non-combustible. However, heating can cause expansion or decomposition leading to violent rupture of containers.

### Precautions in connection with Fire

Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

## 6: Accidental release measures

### Emergency Procedures

Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

## 7: Handling and storage

### Precautions for Safe Handling

Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

### Conditions for Safe Storage

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

## 8: Exposure controls/personal protection

### National Exposure Standards

No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

### Biological Limit Values

No biological limits allocated.

### Engineering Controls

Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure, then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and

AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

#### **Eye Protection**

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

#### **Hand Protection**

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

#### **Body Protection**

Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

### **9: Physical and chemical properties**

Appearance	:	Colourless solution. Red colour coded solution
Odour	:	Not available
Melting Point	:	Not applicable
Boiling Point	:	Not available
Solubility in Water	:	Soluble
Specific Gravity	:	1.0
pH Value	:	4.0
Vapour Pressure	:	Not available
Vapour Density (Air=1)	:	Not available
Flash Point	:	Not applicable
Flammability	:	Non-combustible
Auto-Ignition Temperature	:	Not available
Flammable Limits – Lower	:	Not applicable
Flammable Limits – Upper	:	Not applicable

### **10: Stability and reactivity**

#### **Chemical Stability**

Stable under normal conditions of storage and handling.

#### **Conditions to Avoid**

Extremes of temperature and direct sunlight.

#### **Incompatible Materials**

Strong oxidizing agents.

### **Hazardous Decomposition Products**

Thermal decomposition may result in the release of toxic and/or irritating fumes.

### **Hazardous Reactions**

Will react with incompatibles.

### **Hazardous Polymerization**

Will not occur.

## **11: Toxicological information**

### **Toxicology Information**

No toxicity data available for this product.

### **Inhalation**

Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

### **Ingestion**

Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

### **Skin**

May be irritating to skin. The symptoms may include redness, itching and swelling.

### **Eye**

May be irritating to eyes. The symptoms may include redness, itching and tearing.

### **Chronic Effects**

Not expected to cause chronic health effects.

## **12: Ecological information**

<b>Ecotoxicity</b>	:	No ecological data are available for this material.
<b>Persistence / Degradability</b>	:	Not available
<b>Mobility</b>	:	Not available
<b>Environment Protection</b>	:	Prevent this material entering waterways, drains and sewers.

## **13: Disposal considerations**

### **Product Disposal:**

This product can be disposed through a licensed commercial waste collection service, in accordance with applicable local and national regulations. This product is non-hazardous and therefore the New Zealand HSNO regulations regarding disposal do not apply. It can be disposed in a licensed landfill facility.

### **Container Disposal:**

The product is non-hazardous, therefore, the packaging may be re-used or recycled if it has been treated to remove any residual contents of the substance. Any wash-off water from the container cleaning process should be sent to a suitable waste water treatment plant before discharge into the environment.

In New Zealand, the packaging (that may or may not contain any residual substance) that is lawfully disposed of by householders or other consumers through a public or commercial waste collection service is a means of compliance with regulations.

## **14: Transport Information Table**

**New Zealand:** Not classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

## 15: Regulatory information

### National and or International Regulatory Information

#### New Zealand:

Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

All components of this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempted.

## 16: Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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