



## Safety Data Sheet

Date of Issue: 13.08.2024

Date of Expiry: 13.08.2029

### 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 Name</b>	<b>Tri-Potassium Citrate monohydrate</b>
<b>Product Code</b>	41851
<b>CAS No.</b>	866-84-2

**Recommended use** : Laboratory Investigations

### 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

#### 2.3 Other hazards - none

### 3: Composition/information on ingredients

Formula :  $C_6H_5K_3O_7 \cdot H_2O$   
Molecular weight : 324.41 g/mol  
CAS-No. : 866-84-2

### 4: First aid measures

#### 4.1 Description of first aid measures

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Flush eyes with water as a precaution.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling

#### 4.3 Indication of any immediate medical attention and special treatment needed

## **5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides, Sodium oxides

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

### **5.4 Further information**

No data available

## **6: Accidental release measures**

### **6.1 Personal precautions, protective equipment, and emergency procedures**

Avoid dust formation. Avoid breathing vapours, mist or gas.

### **6.2 Environmental precautions**

Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see section 13.

## **7: Handling and storage**

### **7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### **7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **8: Exposure controls/personal protection**

### **8.1 Control parameters**

Components with workplace control parameters

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards.

### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### **Body Protection**

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type or respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

### **Control of environmental exposure**

Do not let product enter drains.

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

### **9.1 Information on basic physical and chemical properties**

a) Appearance Form: powder

Colour: white

b) Odour	:	No data available
c) Odour Threshold	:	No data available
d) pH	:	7,5 - 9 at 32.4 g/l at 25 °C
e) Melting point/freezing point		
Melting point/range:	:	> 300 °C - lit.
f) Initial boiling point and boiling range	:	No data available
g) Flash point	:	No data available
h) Evaporation rate	:	No data available
i) Flammability (solid, gas)	:	No data available
j) Upper/lower flammability or explosive limits:	:	No data available
k) Vapour pressure	:	No data available
l) Vapour density	:	No data available
m) Relative density	:	No data available
n) Water solubility	:	29,4 g/l at 20 °C - completely soluble
o) Partition coefficient: n-octanol/water	:	No data available
p) Auto-ignition temperature	:	No data available
q) Decomposition temperature	:	No data available
r) Viscosity	:	No data available
s) Explosive properties	:	No data available
t) Oxidizing properties	:	No data available

## **10: Stability and reactivity**

### **10.1 Reactivity**

No data available

## 10.2 Chemical stability

Stable under recommended storage conditions.

## 10.3 Possibility of hazardous reactions

No data available

## 10.4 Conditions to avoid

No data available

## 10.5 Incompatible materials

Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sodium Oxides - Other decomposition products - No data available

## 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity** : No data available

**Skin corrosion/irritation** : No data available

**Serious eye damage/eye irritation** : No data available

**Respiratory or skin sensitisation** : No data available

**Germ cell mutagenicity** : No data available

**Carcinogenicity** : No data available

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** : No data available

**Specific target organ toxicity - single exposure** : No data available

**Specific target organ toxicity - repeated exposure** : No data available

**Aspiration hazard** : No data available

### Additional Information

RTECS: Not available

## 12: Ecological information

**12.1 Toxicity** : No data available

**12.2 Persistence and degradability** : No data available

**12.3 Bioaccumulative potential** : No data available

**12.4 Mobility in soil** : No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects** : No data available

## 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

**14: Transport Information Table**

		<b>ADR/RID – European packaging certification</b>	<b>IMDG International Maritime Dangerous Goods Code</b>	<b>IATA – DGR International Air Travel Association – Dangerous Goods Regulations</b>
<b>14.1</b>	<b>UN Number</b>	-	-	-
<b>14.2</b>	<b>UN Proper Shipping name</b>	Not dangerous goods	Not dangerous goods	Not dangerous goods
<b>14.3</b>	<b>Transport Hazard Class</b>	-	-	-
<b>14.4</b>	<b>Packaging group</b>	-	-	-
<b>14.5</b>	<b>Environmental Hazards</b>	no	no	no
<b>14.6</b>	<b>Special precautions for user</b>	No data available		

**15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursor : Neither banned nor restricted REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations, and articles (Annex XVII): Neither banned nor restricted Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Neither banned nor restricted REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57)

**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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