

## **MATERIAL SAFETY DATA SHEET**

### **1. Product Identification**

Chemical Product name : **Potassium Citrate Monohydrate**  
Trade Name : **Tri-Potassium Citrate**  
Product Code (supplier) : **09003\*\*\*\*\***  
Supplier : **Gadot Biochemical Industries Ltd.  
117-119 Hahistadrut Rd., POB 10636  
Haifa Bay 26118, Israel.**  
Telephone number emergencies : **972 4 8461 555**

### **2. Composition / Information about dangerous components**

Substances / Preparation	:			
Chemical Name	CAS Number	EG number	E-No.	R-sentences
	<b>6100-05-6</b>	<b>E-332</b>		

### **3. Hazards Identification**

Physical / Chemical Risks : **None**  
Environmental Risks : **None/biologically degradable.**  
Health Risks : **None known.**

### **4. First Aid Measures**

#### ***Effects and Symptoms***

After swallowing	: <b>Large quantities may cause nausea, vomiting, cramps, and produce acidic irritation of mouth and throat.</b>
After inhalation	: <b>No information available.</b>
After skin contact	: <b>No information available</b>
After eye contact	: <b>No information available.</b>
General	: <b>Irritation. Some allergic reactions.</b>

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### **First Aid Measures**

After swallowing	: Give 2-3 glasses of water or milk to drink Induce vomiting. Get medical attention..
Inhalation	: Remove to fresh air. If not breathing, administer cardio-pulmonary resuscitation or artificial respiration. Get medical attention.
Skin contact	: Rinse with water and soap
Eye contact	: Rinse with water. Get medical attention

## **5. Fire Fighting Measures**

### **Extinguishing agents**

Suitable	: Not combustible. Use appropriate extinguishing media for material that is supplying fuel.
Unsuitable	: -
Specific measures	: -
Unusual fire/explosion risks	: -
Dangerous thermic decomposition and combustion products	: -
Protection of fire fighting crews	: -

## **6. Accidental Release Measures**

Personal protection measures	: -
Environmental protection measures	: -
Cleaning methods	: With mechanical means and/or flush with water.

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### **7. Handling and Storage**

Handling	: No specific requirements.
Storage	: Avoid humidity and high temperatures. Note that material is hygroscopic.
<b><u>Packing Measures</u></b>	
Suitable	: Polyethylene-lined bags. drums, big bags, etc.

### **8. Exposure Control and Personal Protection**

Technical Exposure control	:
Hygienic measures	: Dust masks.

#### Upper professional exposure limits

##### Chemical Name

"TLV" (USA)	:
"MAK"(Germany)	:

##### Personal protection measures

Breathing equipment	: Dust masks.
Skin and body	: Clothes.
Hands	: Gloves.
Eyes	: Safety glasses.

### **9. Physical and Chemical Properties:**

Appearance	: Dry granulates.
Colour	: White.
Smell	: No unusual odour.
Boiling \ Melting point	: Solid.

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pH	:
Solubility in water	:
Vapor pressure (air = 1)	: <b>Practically zero</b>
Vapor density (air = 1)	:
Flash point	: <b>Not combustible.</b>
Ignition temperature	: -
Lower explosion limit	:
Upper explosion limit	: -

### **10. Stability and Reactivity**

Stability	: <b>Stable.</b>
Circumstances to be avoided	: <b>Decomposition temperatures of 230°C</b>
Substances to be avoided	: <b>Peroxides</b>
Dangerous decomposition products	: <b>Decomposition temperature 230°C Toxic fumes of K<sub>2</sub>O.</b>

### **11. Toxicological Information**

Chemical Name	:
<b><u>Acute toxicity</u></b>	
Oral	:
Dermal	:
Breathing wise	:
Eye effects	: <b>Not known.</b>
Skin effects	: <b>Not known.</b>
Sensitivity	: <b>Not known.</b>
Chronic Toxicity	: <b>Not known.</b>
Carcinogenicity	: <b>Not known.</b>

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### **12. Ecological Information**

Ecological details of substance are not available.

Chemical Name : .....

Ecotoxicity : .....

Exotoxicity : .....

### **13. Instructions for Disposal**

Disposal methods : **Gather mechanically.**  
**According to local**  
**regulations. Water soluble.**

### **14. Transport Information**

UN Number : .....

#### Road & Rail Transport

ADR/RID Class : .....

ADR/RID Class : .....

#### Inland waterways

ADNR Class : .....

#### Sea transport

IMDG Page number : .....

#### Air Transport

IATA Class : .....

National transport laws : .....

**MATERIAL SAFETY DATA SHEET****15. Legally Required Information**

Danger designation :  
Safety phrases :  
Risk phrases :  
National Regulations :

**16. Other Information****History**

Date of first issue : **10.03.96**  
Date of last issue : **03.06.07**  
Date of issue :  
MSDS composed by : Mr. Nissim Guigui  
Quality Assurance Manager  
Gadot Biochemical Industries Ltd  
Haifa / Israel.  
On behalf of: Gadot Biochemical Industries Ltd

**Warranty**

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