

**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
	6100-05-6	E-332		

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



MATERIAL SAFETY DATA SHEET

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. |



MATERIAL SAFETY DATA SHEET

7. Handling and Storage

Handling : No specific requirements.

Storage : Avoid humidity and high temperatures.
Note that material is hygroscopic.

Packing Measures

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.

**MATERIAL SAFETY DATA SHEET**

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

10. Stability and Reactivity

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

11. Toxicological Information

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



MATERIAL SAFETY DATA SHEET

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

This information herein given in good faith and to the best of our knowledge. Since we have no control over the use of the product, we make no warranty or representation, expressed or implied, other than that it conforms to the chemical description on its label. No agent, representative or employee of Gadot Biochemical Industries Ltd. is authorized to change any terms of this notice.