


<b>SAFETY DATA SHEET</b>	
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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

**Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Product name:** Gadomag K  
**Chemical name (e.g. IUPAC name):** Potassium magnesium citrate  
**Synonyms:** Potassium magnesium citrate;  
**Product type:** Solid  
**CAS number:** 137590-34-2  
**EC number:** N/A  
**Product code (supplier):** 61\*\* \*\*\*

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Source of magnesium ion for food enrichment.

**1.3 Details of the supplier of the safety data sheet**

Gadot Biochemical Industries LTD.  
117 Hahistadrut Ave.  
POB 10636  
Haifa Bay 26118, Israel  
Tel: +972-4-8461-555  
Fax: +972-4-8461-560

**E-mail address of person responsible for this SDS:** N/A

**1.4 Emergency telephone number**

**Emergency telephone number (with hours of operation):** +972-4-8461-555

**Section 2. HAZARDS IDENTIFICATION**


**2.1 Classification of the substance or mixture**

**Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)**

Product name	GHS Classification
Gadomag K	Not classified

**Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC**

Product name	EU Classification
Gadomag K	Not classified

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## 2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

**Hazard pictograms:** Not required

**Signal word:** Not required

**Hazard statements:** Not classified

**Precautionary Statements:** Not required

## 2.3 Other hazard

None

## Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation:**

Product/ Ingredient name	Identifiers	%	EU Classification
Potassium magnesium citrate	CAS number: 137590-34-2 EC number: N/A	100	Not classified

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.  
See section 16 for the full text of the R-phrases declared above.

## Section 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

**Eyes contact:** In case of contact with eyes rinse opened eyes under running water for at least 15 minutes and seek medical advice.


**Skin contact:** In case of contact with skin, immediately take off all contaminated clothing and wash off with plenty of water for at least 15 minutes, and seek medical advice.

**Inhalation:** Remove the casualty into fresh air and keep him calm. If breathing is difficult, give oxygen. Apply artificial respiration if necessary and get medical attention immediately.

**Ingestion:** If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If victim is conscious give water to drink.

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

Slightly irritating to skin, respiratory organs and eyes.

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

**Notes to physician:** No specific antidote, contact Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

**Section 5: FIRE-FIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable: Water spray, alcohol resistant foam, CO<sub>2</sub>, chemical powder.

Not suitable: N/A

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

Hazardous thermal decomposition products: Irritating and toxic fumes.

**5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

**Section 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment. Ventilate area of spill. Avoid breathing dust.

**6.2 Environmental precautions**

Do not let this chemical enter the environment. Keep away from drains, surface and ground water. Prevent dust cloud formation, e.g. by wetting.

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

Avoid excessive generation of dust. Stop dust cloud by humidifying. Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

Large spill: As for small spill

**Personal Protection in Case of Large Spill:** Safety glasses. Full suit. Suitable respirator. Boots.

Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

**6.4 Reference to other sections**


See Section 1 for emergency contact information.

**Section 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Handling:** Do not breathe dust. Avoid contact with skin and eyes. Wash thoroughly after handling.

**Hygiene Measures:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

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

**Storage:** Store and use away from heat, sparks, open flame or any other ignition source. Keep containers tightly closed, in a dry, cool and well ventilated place. Prevent dust buildup by providing adequate ventilation. Protect from moisture and temperatures above 190°C. Ensure packagings are labeled correctly. Appropriate packing materials: Plastics.

**7.3 Specific end use(s):** N/A

**Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

**8.1 Control parameters**

**Occupational exposure limit values:** N/A

**8.2 Exposure controls**

**Engineering Measures**

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Person Protective measures**

**Respiratory protection:** Suitable respirator. Be sure to use an approved/certified or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

**Eye/face protection:** Wear protective safety glasses, goggles.

**Skin protection:** Wear appropriate long-sleeved clothing to minimize skin contact.

**Hand protection:** Wear protective gloves to prevent skin exposure, such as: rubber, polyethylene. PVA gloves are not recommended.

**Environmental exposure controls:** Not available

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Appearance: White granules or crystalline powder

Odour: Odorless

Odour threshold: N/A

pH: 6-9 for 1% w/v solution at 25°C

Melting point/Freezing point: Not applicable

Initial boiling point/boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability: N/A

Upper/lower flammability or explosive limits: Unknown

Vapor pressure: N/A

Vapor density: Not applicable


Relative Density: N/A

Solubility(ies): Solubility in water – 0.5% w/w at 25°C

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

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Viscosity: N/A  
Explosive properties: N/A  
Oxidizing properties: N/A

**9.2 Other information:**

Sensitivity to impact: Nil  
Sensitivity to static discharge: Possible

**Section 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

No specific test data related to reactivity available for this product or its ingredients

**10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

**10.3 Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**

Avoid temperatures over 190°C and moisture.

**10.5 Incompatible materials**

Not available

**10.6 Hazardous Decomposition products:**

Not available

**Section 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity:** N/A

**Skin corrosion/irritation:** Slightly irritating to skin.

**Serious eye damage/irritation:** Slightly irritating to eyes.

**Respiratory or skin sensitization:** N/A

**Germ cell mutagenicity:** N/A


**Carcinogenicity:** N/A

**Reproductive toxicity:** N/A

**Specific target organ toxicity (single exposure):** N/A

**Specific target organ toxicity (repeated exposure):** N/A

**Aspiration hazard:** N/A

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**Other effects:**

Slightly irritating to respiratory organs.

Possible symptoms: coughing.

May cause disturbances of heart rate after continuous/repeated exposure/contact.

**Section 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

N/A

**12.2 Persistence and Degradability**

Biodegradable in water.

**12.3 Bioaccumulative potential**

N/A

**12.4 Mobility in soil**

Soil/water partition coefficient (Koc): N/A

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects:**

N/A

**Section 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Packing**

Empty containers should be taken for local recycling, recovery or waste disposal.

**Section 14: TRANSPORT INFORMATION**

**14.1 Un number:**

ADR/RID: -

IMDG: -

IATA: -

**14.2 Proper shipping name:**

ADR/RID: Not regulated

IMDG: Not regulated


IATA: Not regulated

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

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**14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazard**

Marine Pollutant: Not known

**14.6 Special precautions for user**

Not available

**14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code**

Not available

**Section 15: REGULATORY INFORMATION**

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

EU Directives 67/548/EEC and 1999/45/EC (including amendments)  
EU Regulation(EC) No.1907/2006 (REACH)

**15.2 Chemical safety assessment**

N/A

**Section 16: OTHER INFORMATION**

**Training advice:** Before using/handling the product one must read carefully present MSDS.

**Recommended restriction:** N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

Date of issue: 26/06/2012

Version no. 1

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.