


SAFETY DATA SHEET	
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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: Gadocal+

Product type: Solid

Product code (supplier): 09049*****

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

Calcium fortification of food.

Dietary supplements.

Acidity regulator in food.

Firming agent.

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

Product name	EU Classification
Gadocal+	Xi; R41, R36/37/38

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2.2 Label elements

Labelling in accordance with 1999/45 (DPD)

Hazard symbol(s):

Xi; Irritant



Risk phrase(s):

R41: Risk of serious damage to eyes.

R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrase(s):

S24/25: Avoid contact with skin and eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye/face protection.

2.3 Other hazard

None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation:

Product/ Ingredient name	Identifiers	%	EU Classification
Calcium hydroxide	CAS number: 1305-62-0 EC number: 215-137-3	20	Xi; R41, R37/38
Citric acid anhydrous	CAS number: 77-92-9 EC number: 201-069-1	80	Xi; R36

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.

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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

Risk of serious damage to eyes. Irritating to eyes, respiratory system and skin. May cause some allergic reaction. Large quantities may cause nausea, vomiting and cramps. May cause coughing, sneezing and labored breathing.

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, foam, CO₂, 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.

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.

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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.

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 high temperatures. Suitable packing measures: Polyethylene-lined bags, drums, big bag, etc.

7.3 Specific end use(s): N/A

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values:

Ingredient name	Occupational exposure limits
Calcium hydroxide	ACGIH-TLV 5 mg/m ³ (TWA)

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: Dust mask. 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.

Environmental exposure controls: Not available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: White powder

Odour: Practically odorless

Odour threshold: N/A

pH: 3.2-3.7 (1%)

Melting point/Freezing point: Not applicable

Initial boiling point/boiling range: N/A

Flash point: Not applicable

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

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Vapor pressure: Practically zero
Vapor density: N/A
Relative Density: N/A
Solubility(ies): Most soluble in cold water
Partition coefficient Octanol/Water: N/A
Auto-ignition temperature: N/A
Decomposition temperature: N/A
Viscosity: N/A
Explosive properties: N/A
Oxidizing properties: N/A

9.2 Other information:

Taste: Tart acid taste

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. Hazardous polymerization will not occur.

10.4 Conditions to avoid

High temperatures 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:

Product/ingredient name	Test	Species	Dose
Calcium hydroxide	LD50, oral	Rat	7340 mg/kg
Citric acid	LD50, oral	Rat	3000 mg/kg

Irritation: N/A

Corrosivity: N/A

Sensitization: N/A

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Repeated dose toxicity: N/A

Carcinogenicity: N/A

Mutagenicity: N/A

Toxicity for reproduction: N/A

Other effects:

Risk of serious damage to eyes. May cause some allergic reaction. Large quantities may cause nausea, vomiting and cramps. May cause coughing, sneezing and labored breathing.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

N/A

12.2 Persistence and Degradability

N/A

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

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IMDG: Not regulated

IATA: Not regulated

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

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

Full text of R-phrases referred to in section 3:

R37/38: Irritating to respiratory system and skin.

R36: Irritating to eyes.

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

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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.