



Conform to Regulation (EC) No:1907/2006 (REACH), Annex II-Europe

SAFETY DATA SHEET

HYDROPONICA CALMAG

F-8.3-3

Yayın Tarihi: 23.07.2007

Rev No: 00

Rev Tarihi:

Sayfa 1

1. Identification of the substance/preparation and of the company/ undertaking

Product name	Hydroponica Calmag
Use of the substance/mixture	EC Fertilizer
Supplier:	Doktor Tarsa Tarım Sanayi ve Ticaret A.Ş. Organize Sanayi Bölgesi 2. Kısım 22. Cadde No:10 07190 Antalya/Turkey Tel: +90 (242) 249 46 46 Fax:+90 (242) 249 46 00 info@drt.com.tr www.drt.com.tr
Emergency telephone Number (National toxicology center)	UZEM : +90 312 4582461

2. Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments

See section 11 for more detailed information on health effects and symptoms

3. Composition /information of ingredients

Chemical name:

Calcium Nitrate (CaNO_3)₂ , $\text{Mg}(\text{NO}_3$)₂

Origin and composition:

CAS-No.:	$\text{Mg}(\text{NO}_3$) ₂	10377-60-3 (100%)
	$\text{Ca}(\text{NO}_3$) ₂	10124-37-5 (100%)

Occupational exposure limits, if available, are listed in section 8.

4. First aid measures

Inhalation:	Avoid breathing dust. If inhaled, remove to fresh air.
Skin contact:	Avoid prolonged or repeated contact with skin. After handling, always wash hands thoroughly with soap and water.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water. Attention, get medical if irritation occurs.
Ingestion:	If potentially dangerous quantities of this material have been swallowed, call a physician immediately. Do not



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	induce vomiting unless directed to mouth to an unconscious person.
Protection of first aiders	No action shall be taken involving any personal risk or without suitable training.
See Section 11 for more detailed information on health and symptoms.	

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use water only in flooding quantities. Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.
Special exposure hazards:	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Hazardous thermal decomposition products:	In the event of fire. When heated (>330 °C) to decomposition, emits fumes of NO _x
Remark Explosibility:	The product itself is not combustible but it can support combustion, even in absence of air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides and ammonia.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5). Do not touch or walk through spilt material.
Environmental precautions:	Avoid contact of spilt material with soil and prevent runoff entering surface waterways.
Cleaning method:	Use mechanical handling equipment.

7. Handling and Storage

Handling:	Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).
Storage	Store and use away from heat, sparks, open flame, or any other ignition source. Avoid contact with combustible materials. Prevent moisture pick-up in handling and storage.



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8. Exposure controls/ Personal protection

Respiratory protection:

Recommended: If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

Exposure Controls

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary: PVC, butyl rubber, nitrile rubber, natural rubber (latex)

Eye protection:

Use dust goggles if high dust concentration is generated.

Skin protection:

Personal protective equipment for the body should be selected based on the task being performed by a specialist before handling this product.

9. Physical and Chemical Properties

Physical state

Flakes

Colour:

White

Odour

Odourless

pH in water:

4-6 (concentration: in 1 %).

Solubility in water:

Easily soluble

Bulk density:

(kg/m³)

700-1300 kg/m³.

10. Stability and Reactivity

Stability

Stable under recommended storage and handling conditions (see section 7)

Materials to avoid

Reactive or incompatible with the following materials: combustible materials, acids and alkalis.

Hazardous decomposition products:

These products are nitrogen oxides (NO, NO₂ etc.).



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11. Toxicological information

Acute oral toxicity	LD50:>2.100 mg/kg, rat
Skin corrosion/irritation	Rabbit, Result: non-irritant, OECD Test Guideline 404
Serious eye damage/eye irritation	Rabbit, Result: non-irritant, OECD Test Guideline 405
Further information	The product was not tested. The statement was derived from products of similar structure and composition.

12. Ecological information

Environmental effects	Used in excess quantities the product can cause eutrophication in water.
Conclusion/Summary	Most inorganic compounds are not biodegradable. The product does not show any bioaccumulation phenomena.
Other adverse effects	Not known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal	Empty containers or liners may retain some product residues. Do not empty into drains; dispose of this material and its container in a safe way. Dispose of in accordance with all applicable local and national regulations.
Hazardous waste	Within the present knowledge, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information

Not regulated.

Not classified as hazardous material according to UN Orange Book and international transport codes e.g. ADR (road), RID (rail), ADN (inland waterways), IMDG (sea), and IATA (air).

15. Regulatory information

Risk phrases: This product is not classified according to EU legislation.

Product use: Agricultural applications

Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.

Additional warning phrases: Safe data sheet available for professional user on request.



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16. Other information

Notes to readers: The information provided in this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or any process, unless specified in the text.