

# Solar

## Ca+Mg

### Material Safety Data Sheet

Issue: 03 - Jan 2019

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

**1.1 Product Identifier** Solar Ca+Mg

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

Relevant uses: Fertiliser. For professional use only.  
Uses advised against: All uses not specified in this section or in section 7.3

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

Company: Indigrow Ltd, The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH. UK.  
Phone: +44 (0) 1189 710 995  
Email: growth@indigrow.com

**1.4. Emergency telephone number** +44 (0) 7725 962 366

#### SECTION 2: Hazards Identification

**2.1. Classification of the substance or mixture**

Classification under CLP: Eye Dam. 1: H318  
Most important adverse effects: Causes serious eye damage.

**2.2. Label elements**

Hazard statements: H318: Causes serious eye damage.  
Hazard pictograms: GHS05: Corrosion



Signal words: Danger  
Precautionary statements: P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a poison centre.

**2.3. Other hazards**

This product is not identified as a PBT/vPvB substance.

#### SECTION 3: Composition/Information on Ingredients

**3.1. Substances**

Contains: Does not contain any substances classified as hazardous under 1272/2008 EC above the declarable thresholds.

**3.2. Mixtures**

Hazardous components:

Chemical Name	EINECS-No.	CAS-No.	REACH number	CLP Classification	Percent [%]
Calcium Chloride Liquid	233-140-8	10043-52-4	01-2119494219-28-0016	Eye Irrit. 2: H319	1-10
Calcium Nitrate	239-289-5	15245-12-2	01-2119493947-16	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10



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#### SECTION 4: First-Aid Measures

##### 4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

##### 4.3. Indication of any immediate medical attention and special treatment needed

Immediate/special treatment: Eye bathing equipment should be available on the premises.

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#### SECTION 5: Fire-Fighting Measures

##### 5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

##### 5.2. Special hazards arising from the substance or mixture

In combustion emits toxic fumes.

##### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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#### SECTION 6: Accidental Release Measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

##### 6.2. Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

##### 6.3. Methods and material for containment and cleaning up

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

##### 6.4. Reference to other sections

See section 8.

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#### SECTION 7: Handling and Storage

##### 7.1. Precautions for safe handling

Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.



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#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.  
Suitable packaging: Must only be kept in original packaging.

#### 7.3. Specific end use(s)

No data available.

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### SECTION 8: Exposure Controls/Personal Protection

#### 8.1. Control parameters

Workplace exposure limits: No data available.  
DNEL/PNEC: No data available.

#### 8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.  
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.  
Hand protection: Protective gloves.  
Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.  
Skin protection: Protective clothing.  
Environmental: No special requirement.

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### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

State: Liquid  
Colour: Brown  
Odour: Odourless  
Relative density: 1.23 - 1.27 kg/l  
pH: 2.5 - 3.5

#### 9.2. Other information

Non-applicable

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### SECTION 10: Stability and Reactivity

#### 10.1. Reactivity

Stable under recommended transport or storage conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

#### 10.4. Conditions to avoid

Conditions to avoid: Heat.

#### 10.5. Incompatible materials

Strong oxidising agents. Strong acids.



## 10.6. Hazardous decomposition products

In combustion emits toxic fumes.

## SECTION 11: Toxicological Information

### 11.1. Information on toxicological effects

Hazardous Ingredients:

Calcium Nitrate

Dermal	RAT	LD50	>2000 mg/l
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Relevant hazards for product:

Hazard: Serious eye damage/irritation  
Route: OPT  
Basis: Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.  
Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.  
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.  
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.  
Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

## SECTION 12: Ecological Information

### 12.1. Toxicity

Hazardous ingredients:

Calcium Chloride Liquid

Daphnia magna	48H EC50	2400 mg/l
Fish	24H LC50	>6660 mg/l
Fish	48H LC50	>6560 mg/l
Fish	96H LC50	4630 mg/l

### 12.2. Persistence and degradability

Biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation potential.

### 12.4. Mobility in soil

Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

This product is not identified as a PBT/vPvB substance.



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## 12.6. Other adverse effects

Negligible ecotoxicity.

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## SECTION 13: Disposal Considerations

### 13.1. Waste treatment methods

Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging:	Empty containers should be taken care of as hazardous waste according to local and national provisions.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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## SECTION 14: Transport Information

This product is not regulated for transport (ADR/RID,IMDG,IATA)

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## SECTION 15: Regulatory Information

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

Not applicable.

### 15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

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## 16. OTHER INFORMATION

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the user's risk and sole responsibility to verify and satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

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