

# SAFETY DATA SHEET

## 1 IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE SUPPLYING COMPANY:

**PRODUCT NAME:** Calgreen  
**PRODUCT CODE:** 03  
**SUPPLIER:** Agrotechniek Metrop,  
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Netherlands.  
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## 2 COMPOSITION/INFORMATION ON INGREDIENTS:

**CHEMICAL DESCRIPTION:** Water soluble foliar fertiliser containing urea, calcium nitrate, sodium molybdate, boric acid, magnesium chloride and EDTA-chelates of manganese iron, copper and zinc in an inert soluble suspending gel.

**CHEMICAL NAME:**

**CHEMICAL FORMULA:**

Analysis ( % expressed wt/vol)

	<b>N</b>	<b>P<sub>2</sub>O<sub>5</sub></b>	<b>CaO</b>	<b>MgO</b>	<b>Mn</b>	<b>Fe</b>	<b>B</b>	<b>Cu</b>	<b>Zn</b>	<b>Mo</b>
W/V	15.0%	0	22.5%	3.0%	0.15%	0.075%	0.075%	0.060%	0.030%	0.0015%
W/W	10.0%	0	15.0%	2.0%	1.10%	0.050%	0.050%	0.040%	0.020%	0.0010%

### 2a -Total Nitrogen (N) 10%

**Nitrate Nitrogen**  
calcium nitrate

**Ammoniacal Nitrogen**  
ammonium phosphate

**Urea Nitrogen**  
urea

### -Calcium (CaO) 22.50%

**-Magnesium (MgO)**  
**Magnesium (Mg)**  
magnesium chloride

## 3 HEALTH HAZARDS:

Calgreen is of low toxicity but may cause skin irritation to the sensitive.

**SKIN CONTACT:** Prolonged contact may cause some irritation  
**EYE CONTACT:** May cause irritation following prolonged contact.  
**INGESTION:** Small amounts are unlikely to cause toxic effects  
**INHALATION:** Spray has low toxicity. High concentrations of airborne material cause some irritation with sore throat and coughing.  
**LONG-TERM:** No adverse long-term effects known  
**OEL:** No specific HSE Occupational Exposure Limits.

## 4 FIRST AID MEASURES:

**INHALATION:** Remove from source of spray exposure or decomposition fumes. Keep warm and rest. Obtain medical advice if symptoms persist or if decomposition fumes have been inhaled, when medical observation should be maintained for 48 hours.  
**SKIN CONTACT:** Wash with water. Wash area in contact with molten material copiously with cold water and seek medical advice.  
**EYE CONTACT:** Irrigate with copious water for 10 minutes. Obtain medical advice if symptoms persist.  
**INGESTION:** Do not induce vomiting. Give milk or water to drink. Obtain medical advice if symptoms persist.

## 5 FIRE FIGHTING MEASURES:

Not combustible. Water evaporates when heated strongly and ammonia is liberated. After complete evaporation a solid or molten mass may form which, on further heating, decomposes giving off fumes containing ammonia and nitrous oxides.

**6 ACCIDENTAL RELEASE MEASURES:**

PERSONAL PRECAUTIONS:  
ENVIRONMENTAL PROTECTION:

Spillages onto road surfaces create hazardous slippery conditions. Small spillages should be diluted with water promptly. Take care to avoid contamination of sewer or water supplied and inform appropriate water authority if necessary. Inform police if road surfaces have been made slippery.

**7 HANDLING AND STORAGE:**

Product should be stored in frost-free conditions. Part used containers must be tightly sealed. Shake before use. Disperse into spray tank by washing through top filter. Do not allow fertiliser or water containing the fertiliser to run into water courses. Wear rubber gloves when handling the product over long time periods and protect eyes from splashes of the concentrate

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION:**

RESPIRATORY PROTECTION: Not necessary  
PROTECTIVE EQUIPMENT: Wear suitable glove when handling the product over long periods of time and eye protection  
SPECIAL EQUIPMENT: None

**9 PHYSICAL AND CHEMICAL PROPERTIES:**

FORM: Green thick liquid  
ODOUR: None or slight trace of ammonia  
pH (10% solution): 5.5 – 6.5  
FLASH POINT: None  
FLAMMABILITY: Non flammable  
REACTIONS: Liberate ammonia when in contact with alkalis  
SPECIFIC GRAVITY: 1.51 +/- 0.02 at 18°C  
SOLUBILITY IN WATER: Good

**10 STABILITY AND REACTIVITY**

STABILITY: Stable in normal conditions  
CONDITIONS TO AVOID: Extremes of temperature  
HAZARDOUS DECOMPOSITION PRODUCTS: Ammonia, Nitrous Oxides  
MATERIALS TO AVOID: Alkalis

**11 TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY: None known  
LOCAL EFFECTS: None known

**12 ECOLOGICAL INFORMATION**

Biodegradable

**13 DISPOSAL CONSIDERATIONS:**

Treat as for spillages

**14 TRANSPORT INFORMATION:**

IMCO classification: Non-hazardous  
Products create slippery surface if split, take care to avoid spillages.

**15 REGULATORY INFORMATION:**

None required

**16 OTHER INFORMATION**

The information in this safety data sheet was prepared according to EC directive 93/112/EC and is correct to the best of this Company's knowledge at the date of publishing. The user must be satisfied that the product is entirely suitable for its purpose.

This information is based on the requirements for the intended use of the product. The company accepts no liability for any loss or damage resulting from reliance on this information.