

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

Calgreen

Revision
Revision date

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

1.1. Product identifier

Product name Calgreen

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

Description Fertiliser

1.3. Details of the supplier of the safety data sheet

Company Address Metrop Agrotechniek
Edisonweg 32
3404LC
IJsselstein
Netherlands

Web www.metrop.net
Telephone +31 (0)30 6877274
Fax +31 (0)30 6877423
Email info@metrop.nl

Local Supplier

Company Address

Web
Telephone
Fax
Email

1.4. Emergency telephone number

Emergency telephone number +31 (0)30 6877274
09:00-17:00 GMT

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification - 1999/45/EC Xn; R20/21/22 Xi; R37/38
Symbols: Xn: Harmful.

Main hazards Harmful by inhalation, in contact with skin and if swallowed.
Irritating to respiratory system and skin.

2.1.2. Classification - EC 1272/2008 Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; STOT SE 3: H335;

2.2. Label elements

Hazard pictograms



Signal Word Warning

Hazard Statement Acute Tox. 4: H302 - Harmful if swallowed.
Acute Tox. 4: H312 - Harmful in contact with skin.
Skin Irrit. 2: H315 - Causes skin irritation.
STOT SE 3: H335 - May cause respiratory irritation.

Revision date

Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection
Precautionary Statement: Response	P301+P312 - if SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water/ P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable. P312 - Call a POISON CENTER/doctor/ if you feel unwell. P321 - Specific treatment (see on this label). P330 - Rinse mouth. P332+P313 - If skin irritation occurs: Get medical advice/attention.
Precautionary Statement: Storage	P403+P233-Store in a well-ventilated place.Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to waste collection or recycling, after thorough compliance with local and national regulations

2.3. Other hazards

Other hazards	Harmful if swallowed, in contact with skin or if inhaled
---------------	--

SECTION 3: Composition/information on ingredients**3.1. Substances****67/548/EEC / 1999/45/EC**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)
Calcium nitrate tetrahydrate		13477-34-4			50 - 60% Xn; R20/2

EC 1272/2008

Chemical Name	Index No	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)
Calcium nitrate tetrahydrate		13477-34-4			50 - 60%

H3
2: H315; S

3.2. Mixtures

	See section 3.1 for further information
--	---

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory tract. Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes with the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. DO NOT INDUCE VOMITING. May cause irritation to mucous membranes. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to mucous membranes.
Eye contact	May cause irritation to eyes.

Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system.

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

Inhalation	Treat according to symptoms, no known specific antidote.
Eye contact	Remove the affected person from the source of contamination immediately.
Skin contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Ingestion	Wash off immediately with plenty of soap and water.
	Ingestion may cause nausea and vomiting.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	This product is not flammable. Use extinguishing media appropriate to the surrounding fire.
--	---

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---

5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
--	---

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
--	--

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
	Do not flush into surface water.

6.3. Methods and material for containment and cleaning up

	Collect and reuse if possible. Otherwise: Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. To clean the floor and all objects contaminated by this material, use water.
--	---

6.4. Reference to other sections

	See section 2, 8, 13 for further information.
--	---

SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Observe best Manual Handling considerations when handling, carrying and dispensing.
--	--

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in clearly labelled containers. Store at temperatures between 5 °C and 20 °C.
--	--

7.3. Specific end use(s)

	Fertiliser.
--	-------------





SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Potassium Nitrate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ :
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :
Zinc disodium ethylenediaminetetraacetate (Zinc EDTA)	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ :
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ :

8.2. Exposure controls

8.2.1. Appropriate engineering controls	   
--	--

8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: Eye protection. Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
respiratory protection	Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Green
odour	Odourless
Melting point	Not determined
Initial boiling point	Not determined
Flash point	Not applicable
Evaporation rate	Not determined
Flammability (solid,gas)	Not applicable
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	1.45 - 1.52 (h ₂ o = 1@ 20 °C)
Partition coefficient	Not determined
Autoignition temperature	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable
Solubility	Soluble in water

9.2. Other information

Conductivity	Not required
Surface tension	Not required
Gas group	Not determined
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
--	---------------------------------

10.2. Chemical stability

	Stable under normal conditions.
--	---------------------------------

10.3. Possibility of hazardous reactions

	No data is available on this product.
--	---------------------------------------

10.4. Conditions to avoid

	No data is available on this product.
--	---------------------------------------

10.5. Incompatible materials

	Will not decompose if stored and used as recommended.
--	---

10.6. Hazardous decomposition products

	No data available on this product.
--	------------------------------------

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	No data is available on this product.
Skin corrosion/irritation	May cause irritation to skin
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	Limited evidence of a carcinogenic effect.
Reproductive toxicity	No data is available on this product.

11.1.2. Mixtures

	No data is available on this product.
--	---------------------------------------

11.1.3. Hazard Information

	Harmful if swallowed, in contact with skin or if inhaled.
--	---

SECTION 12: Ecological information

12.1. Toxicity

	No data is available on this product. May cause long-term adverse effects in the aquatic e
--	--

12.2. Persistence and degradability

	Warning - this preparation contains a substance not yet tested completely.
--	--

12.3. Bioaccumulative potential

	Caution - substance not yet fully tested.
--	---

12.4. Mobility in soil

	Caution - substance not yet fully tested.
--	---

12.5. Results of PBT and vPvB assessment

	Warning - this preparation contains a substance not yet tested completely.
--	--

12.6. Other adverse effects

	Warning - this preparation contains a substance not yet tested completely.
--	--

SECTION 13: Disposal considerations

13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
--	---

General information

	Do NOT reuse empty containers.
--	--------------------------------

Disposal methods

	Can be sent to landfill if in compliance with local and national regulations.
--	---

Disposal of packaging

	Empty containers can be cleaned with water. Empty containers can be sent for disposal o
--	---

SECTION 14: Transport information

ADR/RID

	The product is not classified as dangerous for carriage.
--	--

IMDG

	The product is not classified as dangerous for carriage.
--	--

IATA

	The product is not classified as dangerous for carriage.
--	--

SECTION 15: Regulatory information

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

Regulations

	REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE C of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restricti Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 19 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/I
--	---

93/105/EC and 2000/21/EC. COMMISSION REGULATION (EU) No 453/2010 of 20 May amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/2

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Text of risk phrases in

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

Section 3

R37/38 - Irritating to respiratory system and skin.

Text of Hazard Statements in

Acute Tox.4:H302+H312+H332 -Harmful if swallowed, in contact with skin or if inhaled.

Section 3

Skin Irrit. 2: H315 - Causes skin irritation.

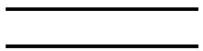
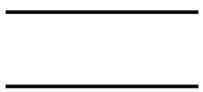
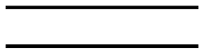
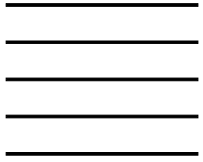
STOT SE 3: H335 - May cause respiratory irritation.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to the accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other circumstances.

1

1-12-2015



1-12-2015

tion.
inwell.

le for breathing.

h rinsing, if in

Classification

1/22 Xi; R37/38

Classification

Acute Tox. 4:
02+H312+H332

Skin Irrit.

STOT SE 3: H335

tory system.

s persist.

s holding

Remove

embranes.

ous system.



conditions.



ment.

isweep up.
jects

1

1-12-2015



n. Adopt

correctly



3: 20.8

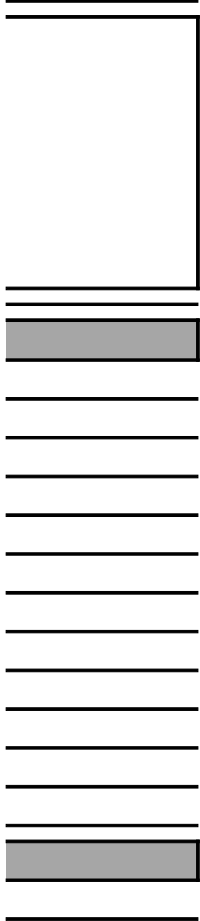
/m3: 10

3: 10

/m3: 3



1
1-12-2015



[Redacted]

environment.

[Redacted]

1

1-12-2015

[Redacted]

or recycling.

[Redacted]

[Redacted]

COUNCIL
ion of
99/45/EC
1488/94
EEC,

2010
on the
ing a
gulation
ive
1/EC.

1

1-12-2015



aled

for the safe
f our
its
ay not be
er process.
