

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis



FoliaStim® Calcium SC

Date of issue: 19/12/2018

Revision date: 19/12/2018

: Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Van Iperen FoliaStim® Calcium SC

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

1.2.1. Relevant identified uses

Use of product : Fertilizer

1.2.2. Uses advised against

Restrictions on use : Uses other than the identified uses are discouraged

1.3. Details of the supplier of the safety data sheet

Van Iperen International BV
Smidsweg 24
P.O. Box 1333 3260AH Oud-Beijerland
3273 LK Westmaas - Netherlands
T +31 (0)186 578 888 - F +31 (0)186 573452
info@iperen.com - www.vaniperen.com

1.4. Emergency telephone number

Emergency number : Contact supplier if guidance is required

Country	Official advisory body	Address	Emergency number	Comment
The Netherlands	Nationaal Vergiftigingen Informatie Centrum National Poisons Information Centre, UMC Utrecht	Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht	+31 30 274 88 88	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

2.3. Other hazards

Other hazards not contributing to the classification : Spill area may be slippery.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
- First-aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.
- First-aid measures after skin contact : Rinse with water. Soap may be used. Remove all contaminated clothing and footwear. Take victim to a doctor if irritation persists.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.
- First-aid measures after ingestion : Immediately consult a doctor/medical service.
Immediately after ingestion: give lots of water to drink.

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

- Symptoms/effects : No significant effects or critical hazards known.

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

Follow the advices in chapter 4.1. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, or water spray or regular foam.
Use fire extinguishing methods suitable to surrounding conditions.
- Unsuitable extinguishing media : No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Direct fire hazard: Non combustible.
- Explosion hazard : No direct explosion hazard.
- Hazardous decomposition products in case of fire : When it is heated above 600 ° c, calcium carbonate decomposes into calcium oxide (CaO) and carbon dioxide (CO₂). Calcium oxide reacts with water and release heat. This can be a risk for inflammable material.

5.3. Advice for firefighters

- Precautionary measures fire : Exposure to fire/heat: keep upwind, consider evacuation and have neighbourhood close doors and windows.
- Firefighting instructions : Dilute toxic gases with water spray.
- Protection during firefighting : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ensure adequate air ventilation. Do not get in eyes, on skin, or on clothing. Keep away from naked flames/heat.

6.1.1. For non-emergency personnel

- Protective equipment : Wear protective gloves/protective clothing/eye protection as advised in section 8.
- Emergency procedures : Mark the danger area. No naked flames. Keep containers closed. Wash contaminated clothes.

6.1.2. For emergency responders

- Protective equipment : Wear protective gloves/protective clothing/eye protection as advised in section 8.

6.2. Environmental precautions

- Prevent soil and water pollution.

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SECTION 6: Accidental release measures (vervolg)

6.3. Methods and material for containment and cleaning up

- For containment : Any spillage should be cleaned up immediately. Collect spill in closed and suitable containers for disposal. Take up rest of liquid spill into absorbent material sand, earth, vermiculite. Scoop absorbed substance into closing containers.
- Methods for cleaning up : Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.
- Other information : Clean up the product thoroughly as it is slippery. Keep out of reach of acids. Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

- See section 1 for emergency contact information.
See section 8 for information on appropriate personal protective equipment.
See section 13 for additional waste treatment information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Product can cause staining.
- Precautions for safe handling : Use sufficient ventilation. Do not get in eyes, on skin, or on clothing. Wear protective gloves/protective clothing/eye protection as advised in section 8.
- Hygiene measures : Do not eat, drink or smoke during use. Always wash hands after handling the product. Remove contaminated clothing and protective equipment before entering eating areas. Keep away from food, drink and animal feeding stuffs. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Storage conditions : Keep preferably in the original container.
- Storage temperature : 5 - 30 °C
- Heat and ignition sources : Keep substance away from: heat sources.
- Storage area : Store in dry, cool, well-ventilated area. Keep out of direct sunlight.
- Special rules on packaging : Meet the legal requirements. correctly labelled. closing. Secure fragile packaging's in solid containers.
- Packaging materials :

7.3. Specific end use(s)

Fertilizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Covering clothing. Gloves. Safety glasses.



- Hand protection : Gloves
- Material selection gloves : Take advice to your gloves' supplier, Non suitable materials are leather gloves
- Environmental exposure controls : In some cases proces modifications will be necessary to reduce emissions to acceptable levels. Emissions from ventilation or work process equipment should be checked to ensure they comply with legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Black.
Odour	: Marine-like.
Odour threshold	: No data available
pH	: 7.4 - 8.2
Explosive limits	: No data available
Vapour pressure	: No data available
Solubility	: Water: complete
Log Pow	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: < 100 cP
Explosive properties	: Not explosive.
Oxidising properties	: Not oxidising.

9.2. Other information

Additional information : Refer to product datasheet

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling and storage conditions. May be give slightly sedimentation after some time.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Oxidants and acid may cause degradation of the product.

10.5. Incompatible materials

Keep substance away from: oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.4 - 8.2
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7.4 - 8.2
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms	: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Classification concerning the environment: not applicable.

12.2. Persistence and degradability

FoliaStim® Calcium SC	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

FoliaStim® Calcium SC	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4. Mobility in soil

FoliaStim® Calcium SC	
Ecology - soil	Soluble in water.

12.5. Results of PBT and vPvB assessment

FoliaStim® Calcium SC	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Additional information : No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

European List of Waste (LoW) code : 02 01 09 - agrochemical waste other than those mentioned in 02 01 08
Depending on branch of industry and production process, also other EURAL codes may be applicable

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty and rinsed containers can be disposed as non-hazardous material or be returned for recycling.

Product/Packaging disposal recommendations : Do not discharge into drains or the environment. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

Additional information : The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) : Not applicable

14.4. Packing group

Packing group : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Other information : No supplementary information available

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Netherlands

Waterbezwaaarlijkheid : 11 - Weinig schadelijk voor in het water levende organismen

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

SECTION 16: Other information

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Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet

Data sources : BIG-database.
ECHA Website: Information on Registered Substances.
Handbook of Chemistry and Physics CRC Press Inc.
Information from suppliers

Training advice : Before using/handling the product one must read carefully the MSDS.

Company disclaimer

The information provided in this safety data sheet 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 in any proceed, unless specified in the text.