

SECTION 1 Identification of the substance/mixture and of the company/undertaking
1.1 Product Identifier

Trade name: **Spuitkrijt: Micronic™ P**
1.2 Relevant identified uses of the substance or mixture and uses advised against

Application: Professional use only

1.3 Details of the supplier of the safety data sheet

Manufacturer / Importer / Supplier: Houweling Horticulture bv

Klappolder 104

2665 LP Bleiswijk

Nederland

tel +31 88 1210 400

horticulture@houweling.nl
houweling.com

Further information obtainable from: Product safety department

1.4 Emergency telephone number

During office hours: +31 88 1210 400

SECTION 2 Hazards identification
2.1 Classification of the substance or mixture

Description: Substance.

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP Regulation.

2.2 Label elements

Not applicable.

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms: Not applicable.

Signal word: Not applicable.

Hazard-determining components of labelling

Not applicable.

Hazard statements

Not applicable.

Precautionary statements

Not applicable.

2.3 Other hazards
Results of PBT and vPvB assessment

PBT: There is no additional information available.

vPvB: There is no additional information available.

SECTION 3 Composition/information on ingredients
3.1 Chemical characterisation: Substances

Description: Substance.

Component	Identification	Classification	Conc. %	Pictograms
Calcium carbonate	CAS: 471-34-1 EINECS: 207-439-9		100%	

3.2 Chemical characterisation: Mixtures

Not applicable.

Additional information

For the wording of the listed hazard phrases see SECTION 16.

REACH registration notes Exempted in accordance with REACH Annex V.7

SECTION 4 First aid measures**4.1 Description of first aid measures****General information**

No acute and delayed symptoms and effects are observed. Consult a physician for specific advice.

After inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

After skin contact

Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin.

After eye contact

Do not rub eye. Rinse with copious quantities of water and seek medical attention if irritation persists.

After ingestion

Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

As above.

4.3 Indication of any immediate medical attention and special treatment needed

There is no additional information available.

SECTION 5 Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents**

This product is non-combustible. No specific extinguishing media is needed.

5.2 Special hazards arising from the substance or mixture**Hazards from the substance or mixture**

Thermal decomposition or combustion products may include the following substances: Asphyxiating gases. Carbon dioxide (CO₂). @ > 600 °C.

5.3 Advice for firefighters**Additional information**

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

SECTION 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation. Local ventilation to keep levels below established threshold values is recommended. In case of prolonged exposure to airborne dust concentrations, a suitable particle filter mask type FFP1, FFP2, FFP3 (European Norm 143) or that complies with the requirements of national legislation is recommended.

For emergency responders

Local ventilation to keep levels below established threshold values is recommended. In case of prolonged exposure to airborne dust concentrations, a suitable particle filter mask type FFP1, FFP2, FFP3 (European Norm 143) or that complies with the requirements of national legislation is recommended.

6.2 Environmental precautions

Do not allow to enter sewers/surface/ground water.

6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4 Reference to other sections

For information on personal protection equipment: see SECTION 8.

For disposal information: see SECTION 13.

SECTION 7 Handling and storage
7.1 Precautions for safe handling

Do not eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas. Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment.

Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier.

7.2 Conditions for safe storage, including any incompatibilities

Store in a dry covered area. Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3 Specific end use(s)

If you require advice on specific uses, please contact your supplier.

SECTION 8 Exposure controls/personal protection
8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace
471-34-1 Calcium carbonate

Long-term exposure limit (8-hour TWA): WEL	4 mg/m ³ respirable dust
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Inorganic dust

Long-term exposure limit (8-hour TWA): WEL	4 mg/m ³ respirable dust
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8.2 Exposure controls
Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield. Contact lenses should not be worn when working with this product.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

Local ventilation to keep levels below established threshold values is recommended. In case of prolonged exposure to airborne dust concentrations, a suitable particle filter mask type FFP1, FFP2, FFP3 (European Norm 143) or that complies with the requirements of national legislation is recommended

Thermal hazards

The substance does not represent a thermal hazard, thus special consideration is not required.

Environmental exposure controls

Dispose of contents/container in accordance with local regulations.

SECTION 9 Physical and chemical properties
9.1 Information on basic physical and chemical properties
Appearance

Form:	Powder.
Colour:	White/Off-white.
Odour:	Almost odourless.
pH-value at 20 °C:	6 - 8
Change in condition	
• Melting point/freezing point:	Not applicable (Solid with a melting point > 450°C).
• Initial boiling point and boiling range:	Not applicable (Solid with a melting point > 450°C).
Flash point:	Not applicable (Solid with a melting point > 450°C).
Evaporation rate:	Not applicable (Solid with a melting point > 450°C).
Evaporation factor:	Not applicable (Solid with a melting point > 450°C).
Flammability (solid, gas):	Non flammable.
Flammability or explosive limits:	Not applicable.
Other flammability:	Not applicable.
Vapour pressure:	Not applicable.
Vapour density:	Not applicable.
Relative density:	2.7 g/m ³
Solubility(ies):	0.0166 g/l water @ 20 °C.
Partition coefficient:	Not applicable.
Ignition temperature:	275 °C
Auto-ignition temperature:	Not applicable.
Decomposition temperature:	Not applicable (Solid with a melting point > 450°C).
Viscosity:	Not applicable (Solid with a melting point > 450°C).
Explosive properties:	Not considered to be explosive.
Oxidising properties:	There are no chemical groups present in the product that are associated with oxidising properties.

9.2 Other information

There is no additional information available.

SECTION 10 Stability and reactivity
10.1 Reactivity

The following materials may react with the product: Acids.

10.2 Chemical stability

Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions

The product will produce carbon dioxide on strong heating or reaction with acid.

10.4 Conditions to avoid

Avoid contact with acids. Avoid heat. @ > 600 °C.

10.5 Incompatible materials

Strong acids.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂).

SECTION 11 Toxicological information

11.1 Information on toxicological effects

This product has low toxicity.

Acute toxicity

Acute Toxicity		
Oral	LD50	2,000 mg/kg bw/day (rat)
Dermal	LD50	2,000 mg/kg bw/day (rat)
Inhalation	LC50	3 mg/l (rat)

Primary irritant effect

- **Skin corrosion/irritation**
No irritant effect.
- **Serious eye damage/irritation**
No irritant effect.
- **Respiratory or skin sensitization**
No sensitising effects known.

CMR effects (carcinogenic, mutagenic and reprotoxic)

- **Germ cell mutagenicity**
This substance has no evidence of mutagenic properties.
- **Carcinogenicity**
There is no evidence that the product can cause cancer.
- **Reprotoxicity**
This substance has no evidence of toxicity to reproduction.
- **Specific target organ toxicity from single exposure**
No organ toxicity observed in acute tests.
- **Specific target organ toxicity from repeated exposure**
NOAEL 1000 mg/kg bw/day, Oral, Rat NOAEC 0.212 mg/l, Inhalation, Rat
Based on available data the classification criteria are not met.
- **Aspiration hazard**
Not anticipated to present an aspiration hazard, based on chemical structure.

General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation:	Dust in high concentrations may irritate the respiratory system.
Ingestion:	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact:	Prolonged contact may cause dryness of the skin.
Eye contact:	Particles in the eyes may cause irritation and smarting.

SECTION 12 Ecological information

Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity

Aquatic toxicity

OECD 203 - fish	Exceeds maximum solubility of substance
OECD 202 - aquatic invertebrates	Exceeds maximum solubility of substance
EC20/72h - aquatic plants	14 mg/l, (freshwater algae)
EC50/3h - microorganisms	1,000 mg/l, (activated sludge)
EC50/14d - terrestrial	1,000 mg/kg, (Eisenia Fetida - Earthworm)

12.2 Persistence and degradability

The product is not biodegradable.

12.3 Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4 Mobility in soil

Not applicable.

12.5 Results of PBT and vPvB assessment

There is no additional information available.

12.6 Other adverse effects

There is no additional information available.

SECTION 13 Disposal considerations**General information**

This mineral can be disposed of as a non toxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

13.1 Waste treatment methods

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

SECTION 14 Transport information

14.1 UN-number: Not applicable.

14.2 UN proper shipping name: Not applicable.

14.3 Transport hazard class(es): Not applicable.

14.4 Packing group: Not applicable.

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

SECTION 15 Regulatory information**15.1 Safety, health and environmental Regulations/legislation specific for the substance or mixture****National Regulations**

EH40/2005 Workplace exposure limits.

Health and Safety at Work etc. Act 1974 (as amended).

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).

International Regulations**• EU legislation**

Exempted in accordance with REACH Annex V.7

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16 Other information**Department issuing SDS**

Environment protection department

Abbreviations and acronyms

ADN	Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (division of the American Chemical Society)
EC50	Effective Concentration, 50 percent
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IC50	Inhibitory Concentration, 50 percent
IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration, 50 percent
PBT	Persistent, Bioaccumulative and Toxic
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
VOC	Volatile Organic Compounds (USA, EU)
vPvB	very Persistent and very Bioaccumulative
WEL	Workplace Exposure Limits

References

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI). See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. Based on Regulations – 1907/2006/EC, 272/2008/EC and directive 2012/18/EU.

Date of composition

01/02/2012

Version date

30/06/2020

Indication of changes

Revisions were made in sections marked with *.

Disclaimer

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