

PlantiPower Vital

SAFETY DATA SHEET

In accordance with Regulation (EC) No. 1907/2006 (REACH)

Version: 1.0 EN | Date of issue: 09-06-2026

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

1.1 Product identifier

Product name: PlantiPower Vital

Product code: 003

Product type: Water-soluble, fertilizer foliar spray

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

1.2.1 Relevant identified uses

Main use category: Industrial, professional, consumers

Use of the substance/mixture: Professional use of the foliar spray for agricultural purposes. Professional use of the foliar spray in greenhouses. Professional use in agriculture, forestry and the horticulture industry.

1.2.2 Uses advised against

Do not use for any other purposes other than those listed.

1.3 Details of the supplier of the safety data sheet

1.3.1 Address of the manufacturer/supplier

PLANTIPOWER B.V.

TOLHUISWEG 12, 6071 RG SWALMEN, Netherlands

Phone: +31 77 208 6033

1.3.2 E-mail address of the person responsible for this SDS

info@plantipower.com

1.4 Emergency telephone number

Nationaal Vergiftigingen Informatie Centrum: +31 30 274 88 88 (24h/24h).

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP): Not dangerous

2.1.2 Classification according to Directive 1999/45/EC [DPD]: Not dangerous

Human health hazards: None in particular

2.2 Label elements

2.2.1 Labelling in accordance with Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms: Non applicable

Signal word: Non applicable

Hazardous component(s): Non applicable

Hazard statements: Non applicable

2.2.2 Precautionary statements

Prevention: P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.

Response: Non applicable

2.3 Other hazards

2.3.1 Substance/mixture meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII: Non applicable.

2.3.2 Substance/mixture meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII: Non applicable.

2.3.3 Other hazards which do not give rise to a classification: Non applicable.

SECTION 3. Composition / information on ingredients

3.1 Substances and mixtures

Component	CAS No.	EC No.	%
Emulsifier made from Rapeseed Oil	8002-13-9	232-299-0	75 %
Emulsifier made from Castor Oil	8001-79-4	232-293-8	16 %
Natural amorphous Silicon Dioxide (SiO ₂)	7631-86-9	231-545-4	9 %

Index numbers and REACH registration numbers: not applicable for these substances.

SECTION 4. First aid measures

4.1 Description of first aid measures

Inhalation: Air the area. Move the affected person immediately out of the area and keep at rest in a well ventilated area. If you feel unwell, seek medical advice.

Direct contact with skin (of the pure product): Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product): Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion: Not hazardous. It is possible to give activated charcoal in water or liquid paraffin medicine.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation: No specific data

After skin contact: No specific data

After eye contact: No specific data

After ingestion: No specific data

4.3 Indication of any immediate medical attention and special treatment needed

In the case of consulting a doctor, keep the container and the product label at disposal. In case of inhalation of products of decomposition in a fire, the symptoms may be delayed. The exposed person may need to remain under medical supervision for 48 hours. Specific treatments: No specific treatment.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Adapt fire extinguishing measures to the environment. Water spray, CO₂, foam or chemical powder depending on the materials involved in the fire.

Unsuitable extinguishing media: Water jets. Use jets of water only to cool the surfaces of the containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture: No specific data

Hazardous combustion products: No specific data

5.3 Advice for firefighters

Use protection for the breathing apparatus. Safety helmet and full protective suit. The spray water can be used to protect the people involved in the extinction. Keep containers cool with water spray.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Leave the area surrounding the spill or release. Do not touch or walk on the spilled product. Do not smoke.

For emergency responders: Wear gloves and protective clothing. Eliminate all unguarded flames and possible sources of ignition. No smoking. Provision of sufficient ventilation. Evacuate the danger area and, if needed, consult an expert.

6.2 Environmental precautions

Contain spill with earth or sand. If the product has entered a watercourse, the sewers, or has contaminated soil or vegetation, notify the authorities. Discharge the remains in compliance with the regulations.

6.3 Methods and material for containment and cleaning up

For containment: Contain the spillage. Recover the product for removal or reuse, if possible. Possibly absorb it with inert material (for example sand, vermiculite). Prevent it from entering the sewer system.

Cleaning procedure(s): Rinse the spilled surface thoroughly with water. Clean equipment and clothes.

Other information: Dispose of the product according to the degree and type of contamination, as fertiliser or in an authorised waste dump.

6.4 Reference to other sections

Refer to sections 8 and 13 for more information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Wear appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin and clothing.

General advice on personal health: Do not eat, drink or smoke when handling this product. Wash hands and other exposed body parts with mild soap and water before eating, drinking, smoking, and before leaving work. Contaminated work clothing should not leave the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Keep in the original container closed tightly. Do not store in open or unlabelled containers. Keep containers upright and safe by avoiding the possibility of falls or collisions. Store in a cool place, away from sources of heat and direct exposure to sunlight.

7.3 Specific end use(s)

Agriculture, forestry and horticulture industry.

SECTION 8. Exposure control / personal protection

8.1 Control parameters

No data available.

8.2 Exposure controls

8.2.1 Exposure controls, agriculture, forestry and horticulture industry: Use the product according to good agricultural practice. Provide sufficient ventilation to reduce exposure of the technician to contaminants in suspension in the air.

8.2.2 Personal protection equipment / health measures: Thoroughly wash hands, forearms and face after handling chemical products, before eating, smoking, going to the toilet and at the end of the working day. Wash contaminated clothing before reuse. A washing plant or water must be accessible for cleaning of the eyes and skin.

Eye / facial protection: Not needed for normal use

Skin and body protection: Not needed for normal use

Hand protection: Not needed for normal use

Respiratory protection: Not needed for normal use

Thermal hazards: No hazard to report

8.2.3 Environmental protection measures: Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of matter	Liquid
Colour	Brown
Odour	Characteristic light smell

Odour threshold	Not determined
pH	Not determined
Melting point/freezing point	0 deg.C
Initial boiling point and boiling range	100 deg.C
Flash point	Irrelevant
Evaporation rate	Not determined
Flammability (solid, gas)	Irrelevant
Upper/lower flammability or explosive limits	Irrelevant
Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Water solubility	100% soluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not explosive
Oxidizing properties	Not determined

9.2 Other information

No data available.

SECTION 10. Stability and reactivity

10.1 Reactivity: The product is stable under normal conditions of use and storage.

10.2 Chemical stability: The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions: There are no hazardous reactions.

10.4 Conditions to avoid: Avoid contamination with other products.

10.5 Incompatible materials: It cannot generate inflammable gases when in contact with elementary metals, nitrites, inorganic sulfide and strong reducing agents.

10.6 Hazardous decomposition products: Does not decompose when used as intended.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Oral ATE (LD50)	0.0 mg/kg
Dermal ATE (LD50)	0.0 mg/kg
Inhalation ATE (LC50)	0.0 mg/L/4h
Acute toxicity	Not applicable
Corrosion / irritation	Not applicable
Serious eye damage / irritation	Weakly irritating
Sensitization of the respiratory tract or the skin	Weakly irritating
Germ cell mutagenicity	Not applicable
Carcinogenicity	Not applicable
Reproductive toxicity	Not applicable
STOT single exposure	Not applicable
STOT repeated exposure	Not applicable

SECTION 12. Ecological information

12.1 Toxicity: Product with no particular risk for the environment. Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: The substance/mixture does not meet the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII.

12.6 Other adverse effects: No adverse effects.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

It is recommended to avoid or minimise the production of waste. Do not remove significant amounts of residual waste from the product through the sewers. The disposal of this product, solutions and the by-products must at all times comply with the legal requirements for protection of the environment and the disposal of waste, as well as the requirements of all local authorities. Depending on the degree and the nature of the contamination, the product can be used in farming or must be disposed of in an approved centre.

SECTION 14. Transport information

Requirements for transport of dangerous goods according to ADR, RID, ADN, IMDG and ICAO/IATA regulations.

14.1 UN number

ADR (road)	None allocated
RID (rail)	None allocated
ADN (inland waterways)	None allocated
IMDG (sea)	None allocated
ICAO/IATA (air)	None allocated

14.2 UN proper shipping name

ADR, RID, ADN, IMDG and ICAO/IATA: Not applicable.

14.3 Transport hazard classes: Not applicable

14.4 Packing group: None

14.5 Environmental hazards: None

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: It is not intended to carry bulk.

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 substances subject to restrictions in Annex XVII of REACH.

15.1.2 National regulations: No additional information available.

15.2 Chemical safety assessment

The evaluation of chemical safety for this mixture has not been performed by the provider (Annex XIV of REACH).

SECTION 16. Other information

16.1 Indication of changes

Version: 1.0

Indication of changes: In accordance with Commission Regulation (EU) No. 1907/2006 (REACH), Annex II, modified by Regulation (EU) No. 2015/830.

Source: ECHA Website <http://echa.europa.eu/>

16.2 Abbreviations and acronyms

ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS = Chemical Abstracts Service. CLP = Classification, Labelling and Packaging. EC = European Community. EN = European Norm. EUH = European Hazard Statement. GHS = Globally Harmonised System of Classification and Labelling of Chemicals. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Goods. MARPOL 73/78 = Marine Pollution Convention. PBT = Persistent, Bioaccumulative, Toxic. REACH = Registration, Evaluation and Authorisation of Chemicals. RID = Regulations concerning the International Carriage of Dangerous Goods by Rail. RRN = REACH Registration Number. vPvB = very Persistent, very Bioaccumulative.

16.3 Relevant R-phrases and/or H statements

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.

16.4 Training advice

The staff handling this product must be informed of the recommended precautionary measures and should have access to this information.

16.5 Further information

The information in this Safety Data Sheet is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by PLANTIPOWER B.V. for the consequences of its use or misuse in any particular circumstances. In no case does this dispense the user of the product from compliance with all laws, decrees and regulations existing relative to the product and to health and hygiene and work safety standards. Drawn up according to the provisions of form EFMA (European Fertilizer Manufacturers' Association) and according to ECHA.

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