

PlantiPower All12 – Safety Data Sheet (SDS)

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

1.1 Product identification

Product name: PlantiPower

Product code: 001 Type: water-soluble, substrate conditioner

1.2 Relevant identified uses and uses advised against

1.2.1 Relevant identified uses

Main category of use: industrial, professional, consumer Use of the substance/mixture:

Professional use of the fertilizer for agricultural purposes Professional use of the fertilizer in greenhouses Professional use in agriculture, forestry and horticulture sectors

1.2.2 Uses discouraged

Do not use for purposes other than those stated above.

1.3 Details of the supplier of the safety data sheet

1.3.1 Manufacturer/Supplier Address PlantiPower L.J. Costerstraat 48, 5916 PS Venlo, Netherlands Tel.: +31 (0)649794270

1.3.2 Email address of the person responsible for this SDS

info@plantipower.com

1.4 Emergency telephone number

National Poison Information Center: +31 30 274 88 88

Netherlands: National Poison Center: +31 30 274 88 88 (24 hours)

SECTION 2. Hazard Identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 (CLP)

● Classification: Not dangerous

2.1.2 Classification according to Directive 1999/45/EC (DPD)

● Classification: Not dangerous ● Human health hazards: None in particular

2.2 The labeling element

2.2.1 Labelling according to CLP (EC) No. 1272/2008

● Hazard pictograms: Not applicable ● Signal word: Not applicable ● Hazardous ingredients: Not applicable ● Hazard statements: Not applicable

2.2.2 Precautions

● Prevention:

○ P101: If medical advice is needed, have product container or label at hand.

○ P102: Keep out of reach of children.

● Response: Not applicable

2.3 Other hazards

● PBT criteria (REACH Annex XIII): Not applicable ● vPvB criteria (REACH Annex XIII): Not applicable ● Other hazards without classification: Not applicable

SECTION 3. Composition and information on ingredients

3.1 Substances

● 92% H₂O ● 5% humic acid ● 3% fulvic acid

3.2 Mixtures

● Name: no substance to be specified / no substance to be identified.

SECTION 4. First aid measures

4.1 Description of first aid measures

Inhalation: Ventilate the area. Immediately remove the person from the contaminated area and allow them to rest in a well-ventilated area. If you feel unwell, seek medical advice.

● Skin contact (pure product): Wash thoroughly with soap and running water.

● Eye contact (pure product): Rinse immediately and thoroughly with running water for at least 10 minutes.

● Ingestion: Not dangerous. It is possible to administer activated charcoal in water or liquid paraffin (medicinal).

4.2 Most important symptoms and effects (acute and delayed)

● After inhalation: No specific data ● After skin contact: No specific data ● After eye contact: No specific data ● After swallowing: No specific data

4.3 Immediate medical attention and special treatment

● Note to physician: If consulting a physician, have product container and label at hand. If decomposition products are inhaled in a fire, symptoms may be delayed. Medical observation for up to 48 hours may be necessary.

● Specific treatment: No specific treatment

SECTION 5. Firefighting measures

5.1 Fire extinguishing agents

- Suitable extinguishing media: Suitable for the surrounding environment. Water spray, CO₂, foam, chemical powder, depending on the materials involved in the fire.
- Unsuitable extinguishing media: Water jet. Use water jet only to cool surfaces of containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

- Hazards of the substance/mixture: No specific data
- Hazardous combustion products: No specific data

5.3 Advice for firefighters

Wear respiratory protection, a safety helmet, and a full protective suit. Water spray can be used to protect affected individuals. Use self-contained breathing apparatus, especially in confined or poorly ventilated areas and when using halogenated extinguishing agents. Keep containers cool with water spray.

SECTION 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Leave the area where the spill occurred. Do not touch or walk on the spilled product. Do not smoke.

6.1.2 For emergency services

Wear gloves and protective clothing. Eliminate open flames and possible ignition sources. Do not smoke. Ensure adequate ventilation. Evacuate the hazardous area and consult an expert if necessary.

6.2 Environmental precautions

Contain with earth or sand. If product enters waterways/sewage or contaminates soil/vegetation, report this to the authorities. Dispose of in accordance with regulations.

6.3 Containment and cleaning methods

- Containment: Dike. Recover product for disposal or reuse, if possible. Absorb with inert material (e.g. sand, vermiculite), if necessary. Prevent entry into drains.
- Cleaning: Rinse the spilled area thoroughly with water. Clean equipment and clothing.
- Other information: Dispose of according to the degree and type of contamination, as fertilizer or via a certified waste processor.

6.4 Reference to other sections

See sections 8 and 13 for more information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

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

General hygiene: Do not eat, drink, or smoke during use. Wash hands and exposed skin areas with mild soap and water before eating, drinking, or smoking and before leaving the work area. Contaminated work clothing must not be removed from the work area.

7.2 Conditions for safe storage (incl. incompatibilities)

Store in the original packaging, tightly closed. Do not store in open or unlabeled containers. Store containers upright and securely, and avoid dropping or impact. Store in a cool, dry place away from heat sources and direct sunlight.

7.3 Specific end use

Agriculture, forestry and horticulture sector.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

No data available.

8.2 Exposure control measures

8.2.1 Exposure control

Use in accordance with good agricultural practices. Provide adequate ventilation to reduce exposure to airborne contaminants.

8.2.2 Personal protective equipment / health measures

Wash hands, forearms, and face thoroughly after handling, before eating, smoking, using the toilet, and at the end of the workday. Wash contaminated clothing before reuse. An eyewash station or water should be available for cleaning eyes and skin.

- Eye/face protection: Not required under normal use
- Skin and body protection: Not required under normal use
- Hand protection: Not required under normal use
- Respiratory protection: Not required under normal use
- Thermal hazards: None to report

8.2.3 Environmental protection measures

Use in accordance with good working practices to avoid environmental contamination.

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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

● Physical state: liquid ● Colour: brown ● Odour: characteristic, slight odour ● Odour threshold: not determined ● pH: 6.5 ● Melting point/freezing point: 0°C ● Initial boiling point/boiling range: 100°C ● Flash point: not relevant ● Evaporation rate: not determined ● Flammability (solid/gas): not relevant ● Upper/lower explosion/flammability limits: not relevant ● Vapour pressure: not determined ● Vapour density: not determined ● Relative density: not determined ● Solubility in water: 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.

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SECTION 10. Stability and reactivity

10.1 Reactivity

The product is stable under normal use and storage conditions.

10.2 Chemical stability

The product is stable under normal use and storage conditions.

10.3 Possibility of hazardous reactions

There are no dangerous reactions.

10.4 Conditions to avoid

Avoid contamination with other products.

10.5 Incompatible materials

May not form flammable gases on contact with elemental metals, nitrites, inorganic sulphides and strong reducing agents.

10.6 Hazardous decomposition products

Does not decompose when used as intended.

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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: slightly irritating ● Respiratory/skin sensitization: slightly 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 presents no particular risk to the environment. Use in accordance with good working practices to avoid environmental contamination.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulation potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

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

12.6 Other adverse effects

No harmful effects.

SECTION 13. Disposal Instructions

13.1 Waste treatment methods

It is recommended to avoid or minimize waste generation. Do not dispose of significant quantities of residual waste via sewer. Disposal of this product, solutions, and by-products must always comply with legal environmental requirements and local regulations. Depending on the extent and nature of the contamination, the product may be used in agriculture or must be disposed of via an approved treatment center.

SECTION 14. Information relating to transport

Transport of dangerous goods according to ADR, RID, ADN, IMDG, ICAO/IATA:

14.1 UN number

No assigned UN number (road/rail/inland waterway/sea/air).

14.2 Proper Shipping Name (UN)

Not applicable.

14.3 Transport hazard class(es)

Not applicable.

14.4 Packaging group

No.

14.5 Environmental hazards

No.

14.6 Special precautions for the user

No data available.

14.7 Transport in bulk according to MARPOL/IBC Code

Not intended for bulk transport.

SECTION 15. Regulations

15.1 Specific safety, health and environmental regulations/legislation

- EU regulation: does not contain any substances subject to restrictions in REACH Annex XVII.
- National regulations: no additional information available.

15.2 Chemical safety assessment

The chemical safety assessment for this mixture has not been carried out by the supplier (REACH Annex XIV).

SECTION 16. Other information

16.1 Changes

Version: 1.0 In accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2015/830.

16.2 Abbreviations and acronyms

ADN, ADR, CAS, CLP, EC, EN, EUH, GHS, IATA, IMDG, MARPOL 73/78, PBT, REACH, RID, RRN, vPvB (as listed in the SDS).

16.3 Relevant P-phrases

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

16.4 Training advice

Personnel handling this product must be informed of the recommended precautions and have access to this information.

16.5 Additional information

The information in this safety data sheet has been prepared in good faith and is based on the knowledge available at the time of publication. This does not imply acceptance of legal liability by PlantiPower BV for the consequences of use or misuse under specific circumstances.

The user remains responsible for compliance with all laws, decrees and regulations regarding product, health, hygiene and occupational safety.