Commission Regulation (EU) No 2020/878

PRODUCT NAME: GARDEN GOLD - GARDEN FORMULA

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. PRODUCT IDENTIFICATION: Liquid organo-mineral NPK fertiliser

1.2. Usage Preparation: In Agriculture, as nutrient supplier.

1.3. Company and Trader responsible:

1.3.1. Manufacturer Name: **PHYTOsolution**

1.3.2. Manufacturer Address: Querfurter Str. 9, 06632 Freyburg, Germany

1.3.3. Manufacturer Telephone: +49 34464/ 61044

1.3.1. Trader Name: **GARDEN GOLD ORGANICS**

1.3.2. Trader Address: Mariastraat 6B, 7311HL, Apeldoorn, The Netherlands

1.3.3. Trader Telephone: +31 (0)6 130 30 007

1.4. Emergency Telephone Number:

1.4.1. Company: +49 34464/ 61044

1.4.2 German Institute of Toxicology:

Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen, Nordhäuser Str. 74, 99089 Erfurt

Tel. +49 (0)361/730730,
Fax +49 (0)361/7307317
info@ggiz-erfurt.de

www.ggiz-erfurt.de

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The mixture is not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

2.2. Label elements

No hazard pictograms, signal word, hazard statements or precautionary statements are required under Regulation (EC) No 1272/2008 (CLP).

2.3. Other hazards

Based on available data, the mixture does not meet the criteria for classification as PBT or vPvB. No other hazards are known.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable. The product is a mixture.

3.2 Mixtures: The mixture contains no substances requiring disclosure in this section under Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) 2020/878.

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4. FIRST AID MEASURES

4.1. Skin contact: Wash with plenty of water during more than 15 minutes.

4.2. Eye contact: Wash immediately with plenty of water during more than 15 minutes and get medical attention.

4.3. Inhalation: If there is dizziness after have inhaled, get the affected person to fresh air.

4.4. Ingestion: If product is ingested, drink a lot of water. Don't induce vomiting. Seek for medical attention.

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5. FIRE FIGHTING MEASURES

5.1. Appropriate Extinguishing Medias: Fire foam, dry chemical, water spray.

5.2. No Appropriate Extinguishing Medias: Unknown.

5.3. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes: CO, CO_2.

5.4. Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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6. MEASURES TO TAKE IN CASE OF ACCIDENTAL SPILLAGE.

6.1. Personal Protection: Use safety goggles and appropriate protective clothing.

6.2. Precautions to protect the environment: Use and keep in a suitable closed container. Take necessary steps to avoid spillage.

6.3. Cleaning methods: In case of spillage, clean and neutralize spill area. In case of high spillage on the floor, dilute with plenty of water

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7. HANDLING AND STORAGE

7.1. Safety in Fertilizer Handling:

- Liquid transfer operation must be done in suitable installations (well-ventilated place); stored in a cool, dry, ventilated area, with drainage available.
- It is necessary to use Personal Protection: use safety goggles and suitable protective gloves.

7.2. Safety in Fertilizer Store:

- Keep in a tight, closed, cool and dry container. Keep out of reach of children, animals and non-authorized people.
- Store in a tight, closed and safe container.
- Storage areas must be protected, ventilated and with drainage control.
- Containers must be stored vertically and limit its piling up.
- Special precautions must be taken in order not to mix with other products. Any contamination with other products can damage crops.
- Periodically inspect containers to detect any possible deterioration or leak.
- Keep temperature between 5 °C and 25 °C, in plastic or glass tight closed containers.

7.3. Specific end use(s):

Specific end use(s): A liquid blend of N for application to agricultural crops.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure Limits: Not applicable.

8.2. Exposure Control:

8.2.1. Limit Exposure Control: Ensure good ventilation of workplace.

8.2.2. Respiratory Protection: Safety masc.

8.2.3. Hand Protection: Rubber gloves.

8.2.4. Eye Protection: Protective goggles.

8.2.5. Skin Protection: For splash, mist or spray exposures wear, at least, a properly safety cloth.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information:

Appearance: brownish suspension.

Odour: Characteristic.

Odour threshold: Does not apply.

pH: 6,1

Melting / freezing point: Around 0° C as it is a water-based product.

Boiling point: Around 100° C as it is a water-based product.

Flash point: The product is not flammable.

Evaporation rate: No data available.

Flammability: Does not apply.

Upper/lower flammability or explosive limits: Product is not flammable or explosive.

Vapour pressure: No data available.

Vapour density: No data available.

Relative density: 1.2 kg/L

Solubility: Dispersible in water.

Partition coefficient n-octanol/water: No data available.

Auto-ignition temperature: Does not apply.

Decomposition temperature: No data available.

Viscosity: No data available.

Explosive properties: Does not apply, product is not explosive.

Oxidising properties: Does not apply, product is not oxidising.

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid: Stable under recommended transport or storage conditions. Incompatible with strong bases or acids.

10.2. Materials to avoid: Do not store in metallic containers.

10.3. Hazardous decomposition products: Toxic fumes (CO_2, CO, SOx) are given off when product gets in fire.

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10.4. Conditions to avoid: Extreme temperatures, direct sunlight and strong alkaline or acid products.

10.5. Incompatible materials: Strong alkaline or acid products.

10.6. Hazardous decomposition products: Does not decompose when used for intended uses. In case of fire, it can give off toxic fumes (COx).

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11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Acute toxicity: Based on available data, the classification criteria are not met.

11.1.2. Skin corrosion / irritation: Based on available data, the classification criteria are not met.

11.1.3. Serious eye damage / irritation: Based on available data, the classification criteria are not met.

11.1.4. Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

11.1.5. Germ cell mutagenicity: Based on available data, the classification criteria are not met.

11.1.6. Carcinogenicity: Based on available data, the classification criteria are not met.

11.1.7. Reproductive toxicity: Based on available data, the classification criteria are not met.

11.1.8. Summary of the evaluation of CMR properties: Based on available data, the classification criteria are not met.

11.1.9. Specific target organ toxicity (STOT) – single exposure: Based on available data, the classification criteria are not met.

11.1.10. Specific target organ toxicity (STOT) – repeated exposure: Based on available data, the classification criteria are not met.

11.1.11. Aspiration hazard: Based on available data, the classification criteria are not met.

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Fish: No data available.

Crustacea: No data available.

Algae /Aquatic plants: No data available.

Other Organisms: No data available.

12.2. Persistence and degradability

Product is completely biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation is not expected. Nutrient concentrations in the final solution is low, as the dose is only recommended to overcome nutrient lacks (it is recommended to follow the doses indicated in labels and to consult technical personnel).

12.4. Mobility in soil

Regarding the characteristics of this product, only when uncontrolled spills took place, there would be a large-scale contamination. Following the normal dose, its effect over the soil is minimum.

12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Other adverse effects: None.

13. DISPOSAL CONSIDERATIONS

The method of “final disposal” must be in accordance with the requirements of current official standard.

14. TRANSPORT INFORMATION

This product does not require a classification for transport.

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15. REGULATORY INFORMATION

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

This safety data sheet has been prepared in accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878. Classification has been assessed in accordance with Regulation (EC) No 1272/2008 (CLP).

15.2. Chemical Safety Assessment: A chemical safety assessment has not been carried out for this mixture.

16. OTHER INFORMATION

16.1. Indication of changes

The present version of this SDS has been made in order to reflect the evaluation of hazards made to this product following valid EU Regulations.

16.2. Abbreviations and acronyms:

MSDS: Material Safety Data Sheet

% w/w: % weight / weight

° C: degrees centigrade

g/cc: grams / cubic centimeter

mg/kg: milligrams / kilogram

mg/L: milligrams / litre

COx: Carbon Oxides

Corr.: Corrosive

ATEMIX: Acute toxicity estimation of the mixture

CMR: Carcinogenic, mutagenic and reprotoxic

PBT: Persistent, Bioaccumulative and Toxic

vPvB: Very Persistent and Very Bioaccumulative

UN: United Nations

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16.3. Bibliographic References and Data Sources:

ESIS: European chemical Substances Information System.

IHCP: Institute for Health and Consumer Protection.

ECHA: European Chemicals Agency.

16.4. Classification and procedure used to determine the classification of the mixture according to EC Regulation n° 1272/2008 [CLP]:

This product does not classify in any hazardous category.

16.5. Complete H and P statements:

Not applicable.

16.6. Additional information

The information provided in this Safety Data Sheet is based on current knowledge of the product. Every effort has been made to ensure the accuracy and reliability of this information; however, we cannot accept responsibility for any losses or damages resulting from its use. This document is intended for reference only to assist customers in the safe handling of the product and is not part of any specification. This Safety Data Sheet does not exempt users from understanding and complying with all applicable legal regulations governing their activities. Users are solely responsible for taking the necessary precautions related to the product's use and do so at their own risk. Any statutory provisions referenced are provided solely to assist recipients in fulfilling their obligations regarding the handling of hazardous products. This list of potential risks is not exhaustive and does not release recipients from ensuring compliance with any additional legal requirements that may arise due to new regulations. Users remain fully responsible for the proper identification, handling, and compliance with all applicable laws and standards.

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Freyburg, 6th of February 2025 — Maike Erb-Brinkmann, Product Manager - PHYTOsolution

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