

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifiers****1.1.1 Product name**

Fertilizer complex microelemental Aquadon-Micro

1.1.2 REACH No.

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

1.2 Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Identified uses**

It is intended for use under all types of crops and ornamental plants as a non-root, root and horticultural, for processing the root system of seedlings

1.3 Details of the supplier of the safety data sheet

Company ORGPOLIMERSYNTES SPB LLC

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SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008. This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients**3.1 Substances**

| CAS-No | EC-No. | Chemical name of substance |
|------------|-----------|---|
| 67785-62-0 | None | Polymer of (Z) -but-2-enedioic acid with prop-2-ene and 2-Methylprop-2-enoic acid |
| 10026-24-1 | 600-050-9 | Cobalt sulfate |
| 77-92-9 | 201-069-1 | Citric acid |
| 13465-27-5 | None | Manganese sulfate pentahydrate |
| 10102-40-6 | 231-551-7 | Sodium molybdate dihydrate |

SECTION 4: First aid measures**4.1 Description of first aid measures****If inhaled**

With individual intolerance, go to fresh air

In case of skin contact

Rinse with running water

In case of eye contact

Rinse eyes with plenty of water for at least 15 minutes

If swallowed

Drink copious amounts of water with the addition of activated charcoal

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of inhalation: not established.

Skin symptoms: redness and itching.

Eye symptoms: swelling, burning.

Symptoms of ingestion: no

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray with wetting agents

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

In case of large fires or in enclosed and poorly ventilated areas, wear a fireproof protective suit and self-contained breathing apparatus with a face mask operating in positive pressure mode

5.4 Further information

no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use serviceable equipment

6.2 Environmental precautions

Do not allow product to enter drains, rivers or other water bodies.

Collect spilled product by adsorption.

Sealing equipment.

6.3 Methods and materials for containment and cleaning up

In the event of a large spill, fill the spill site with sand or other inert adsorbent material. Collect in a container designated for disposal and dispose of for disposal

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Tightness of packaging, use of means of individual protection

7.2 Conditions for safe storage, including any incompatibilities

Store in dry, closed rooms, providing protection from direct sunlight, moistening, contamination, mechanical damage, separate from products and medicines, out of the reach of children and animals. Permissible temperature range from minus to +50. Best before 2 years from the date of manufacture

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice. Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) **Appearance: Liquid**
- b) **Odour: no data available**
- c) **Odour Threshold: no data available**
- d) **pH: 5-8 (20% solution)**
- e) **Melting point/freezing point: no data available**
- f) **Initial boiling point and boiling range: no data available**
- g) **Flash point: no data available**
- h) **Evaporation rate: no data available**
- i) **Flammability (solid, gas): no data available**
- j) **Upper/lower flammability or explosive limits: not flammable**
- k) **Vapour pressure : not explode**
- l) **Vapour density: no data available**
- m) **Relative density: no data available**
- n) **Water solubility: unlimited**
- o) **Partition coefficient: n- octanol/water: no data available**
- p) **Auto-ignition temperature: no data available**
- q) **Decomposition temperature: no data available**
- r) **Viscosity: no data available**
- s) **Explosive properties: no data available**
- t) **Oxidizing properties: no data available**

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Can be oxidized, react with acids and alkalis

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Strong acid and alkali

10.6 Hazardous decomposition products

no data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation and Serious eye damage/eye irritation

Does not cause

Respiratory or skin sensitisation

Does not cause

Germ cell mutagenicity

Not a mutagen

Carcinogenicity

Not a carcinogen

Reproductive toxicity

Do not have a reproductive toxicity

Specific target organ toxicity - single exposure

Not Classified

Specific target organ toxicity - repeated exposure

Not Classified

Aspiration hazard

Not Classified

Additional Information

no data available

SECTION 12: Ecological information

12.1 Toxicity

Not Classified

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

- 14.1** **UN number:** Not dangerous goods
14.2 **UN proper shipping name:** Not dangerous goods
14.3 **Transport hazard class(es):** Not dangerous goods
14.4 **Packaging group:** Not dangerous goods
14.5 **Environmental hazards:** Not dangerous goods
14.6 **Special precautions for user:** Special precautions are not required
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SECTION 15: Regulatory information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

None