



SAFETY DATA SHEET

Biorynk 'SAGO 9'

According to REG. (CE) 1907/2006

1. Identification of the substance/preparation and Company

Identification of the preparation:

Product name: Biorynk 'SAGO 9'

Law name: LIQUID FERTILIZER

CAS number: -

EC number: -

Use of preparation: fertiliser for agriculture

Company identification: Green World s.r.l., via della Camelia 19, 00040 Lanuvio (RM), Italy

Email address of person: info@greenworldconsulting.it

Responsible for SDS: info@greenworldconsulting.it

Emergency telephone

Phone number: (+39) 06 9374449 – or contact the nearest Poison Centre.

2. Identification of hazards

Within the current knowledge of the supplier and in the concentrations recommended by Company, the product is not hazardous to human health.

If large quantities of this fertilizer are eaten, diseases can appear: vomit, diarrhoea, stomach-ache, convulsion, etc...

This product is dangerous for the environment.

For more informations about product effects on human health read section 11.

3. Composition/information about ingredients

The product is a preparation. stable mixture of water, vegetal oils, zinc salt (sulphate) (n. CAS 7446-19-7) and magnesium salt (sulphate) (n. CAS 7487-88-9).

Within the current knowledge of the supplier the product is classified as:

N - Dangerous for the environment - R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S2: Keep out of the reach of children - S60: This material and its container must be disposed of as hazardous waste - S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

Within the current knowledge of the supplier, other ingredients dangerous to human health or environment are not present.

4. First-aid measures

Inhalation: don't breathe the product. If inhaled, remove to fresh air. In the case of respiratory problems, ask medical personnel.

Ingestion: in case great quantities of fertiliser were ingested, call a doctor immediately. Don't induce vomit unless directed by medical personnel. Don't give anything by mouth to an unconscious man.

Skin contact: avoid longed or repeated contact with skin. After handling, always wash hands

using water and soap. In case of irritation, ask medical personnel.

Eye contact: in case of contact with eyes, wash immediately with plenty of water. In case of irritation or other problems, ask medical personnel.

5. Fire-fighting measures

Extinguishing media: non-combustible product. In case of fire, Use foam or dry chemical to extinguish fire.

Hazardous thermal decomposition products: in case of fire don't breathe dust or vapours coming from combustion material. Dangerous decomposition products are nitrogen (N) oxides and carbon oxides.

Protective equipment: fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

6. Measures for accidental release

Environmental precautions: avoid contamination of river and sewerage. Inform Authority in case of river contamination. Avoid product dispersion by rain or wind.

Precautions for personnel: if necessary, use appropriate protective equipment. Avoid contamination with released material. Don't breathe the dust. Send out personnel not necessary to the clean up.

Clean up methods: scoop up the material released by absorbent material and put it into an appropriate labeled waste container. If possible, use as fertilizer in the farming.

7. Handling and storage

Handling: avoid wind dispersal. Avoid all possible sources of ignition (ex. flame). Avoid contamination by others materials (metals, organic materials, ecc.). Use appropriate protective equipment during the handling.

Storage: store away from rain, heat, sparks, flame or any other ignition source. Prevent high moisture in handling and storage. Keep clean and ventilated the storage rooms. Keep away from kids and animals.

8. Personal protection and Exposure controls

Occupational exposure limits (ACGIH 2003): -

Technical precautionary actions: avoid dust/vapors formation and favour a good ventilation, where necessary.

CONTROLS OF EXPOSURE

Respiratory protection: if necessary, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

Eyes protection: in case of high concentration of product in the air, use dust goggles.

Skin protection: to avoid the contact between the product and the skin, use personal protective equipment for hands and body.

Hands protection : if necessary, use chemical-resistant gloves (approved standard).

9. Chemical and physical properties

APPEARANCE

Physical state: liquid

Colour: yellow-brown

Odour: vegetal

IMPORTANT DATA TO SAFETY

pH:4.5

Boiling point:-

Explosive properties:No

Solubility:soluble in water

10. Stability and reactivity

Stability: the product is stable under recommended storage and handling conditions.

Hazardous decomposition products: nitrogen oxides and carbon oxides.

Materials to avoid: acids, alkalis, organic and combustible materials.

Conditions to avoid: flame or any other ignition source, high moisture.

11. Toxicological information

Dangerous effects on human health: within the current knowledge of the supplier and in the concentrations recommended by the Company, the product is not hazardous to human health or environment.

Even though the product is not classified as dangerous, it could cause eye and skin irritation.

If large quantities of this fertilizer are eaten, heavy disease can appear: vomit, diarrhea, stomachache, convulsion, etc. The product can irritate eyes, skin and respiratory organs.

Zinc sulfate: ORAL RAT LD50: 2150 mg/kg

Magnesium sulfate: ORAL RAT LD50: > 4000 mg/kg

At the moment, are not known significant effects about: carcinogenicity, mutagenicity, teratogenicity, negative fertility effects, or other dangerous effects on human health.

12. Ecological information

This product is: N - **Dangerous for the environment**

- **R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

The product is soluble in water.

Biodegradability: YES

Bioaccumulation: NO

13. Disposal considerations

Dispose of waste as fertilizer on the farm or, if not possible, in approved landfills.

Empty containers thoroughly and dispose of according to existing local and national regulations.

14. Information about transport

About transport, the product is not classified as hazardous material according to UN Orange Book. International transport codes (ADR, RID, IMDG, ADN) are not necessary.

15. Regulatory information

The product is classified according to EU legislation (Directive 1999/45/CE):

N – Dangerous for the environment

- R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Safety data sheet according to REG. CE 1907/2006.

European Law on fertilizers: REG. CE 2003/2003.

16. Other information

Note: -

Safety data sheet by: Green World s.r.l., via della Camelia 19, 00040 Lanuvio (RM), Italy.

Date of issue: 10 October 2013

Date of previous issue: none

IMPORTANT NOTICE:

The data and information contained in this safety data sheet are based on our knowledge at the date of issue. The information of this SDS concern only aspects about use, handling and storage of the product. The supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained in this sheet. Final determination and use of suitability of product is completely responsibility of the user. All chemical products may present unknown hazards and must be used with caution. The supplier does not guarantee that the hazards described in this safety data sheet are the only hazards that exist for this product. The supplier does not guarantee that this SDS contains all possible safety measures; in particular conditions; therefore, it may be necessary to add additional measures.