



BIO ORGANIC LIMITED

(Dealers and Distributors of Fertilizers, Pesticides, Seeds, Veterinary and Industrial Chemicals)

GOODLUCK - MATERIAL SAFETY DATASHEET

1. Identification of the substance/preparation and of the company/undertaking

1.1. Name of the substance or product

Goodluck

1.2. Use of the substance/preparation

Agriculture

1.3. Company/Supplier

Bio Organic Limited

Sapna Business Park, ICD Road, Off Mombasa Road

Nairobi, Kenya

info@bioorganic.co.ke

2. Hazard identification

2.1. Classification of the substance in accordance with Regulation 1272/2008 (CLP)

Skin Irrit. 2, H315

Eye Irrit. 2, H319

2.2. Label elements Hazard pictogram(s):



Signal word:

Warning

Hazard Statement(s):

H315: Causes skin irritation

H319: Causes serious eye irritation Precautionary Statement(s):

Prevention:

P264: Wash hands thoroughly after handling

P280: Wear protective gloves / protective clothing / eye protection / face protection Response:

P302 + P352: IF ON SKIN: Wash with plenty of soap and water

P332 + P313: If skin irritation occurs: Get medical advice/attention

P362: Take off contaminated clothing and wash before reuse

P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

3. Composition/Information of components

Name: Goodluck

Fertilizer made of amino acids, ATCA and phytohormones.

CAS: Not applicable

EINECS: Not applicable

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Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
N-acetyl-thiazolidin carboxylic acid (CAS N. 5025-82-1)	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	1-5%

4. First-aid measures

4.1 Description of first aid measures General advice: Consult a physician.

If inhaled: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Contact with skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Contact with eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed No data available.

4.3 Indication of any immediate medical attention and special treatment needed No data available.

5. Fire-fighting measures

5.1 Extinguishing media

Use sprayed water, carbon dioxide, alcohol-resistant foam or dry chemical powder for extinction. Do not use stream water.

5.2 Unusual fire and explosion hazards

Non-inflammable and non-explosive product.

5.3 Special protective equipment for fire-fighters

Fire-fighters should wear self-contained approved breathing apparatus and full protective clothing. In the event of fire, cool tanks with water spray. Do not allow run-off from fire-fighting to enter drains or water courses.

6. Accidental release measures

6.1 Personal precautions

Avoid direct contact with the substance. Use personal protective equipment. Ensure adequate ventilation. Wear chemical safety goggles/rubber gloves and boots. Keep unnecessary people away. Isolate area. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow product to enter sewer or water ways. Prevent further spillage if safe.

6.3 Cleanup procedures

Stop flow material if it is without risk. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Collect spillage.

7. Handling and storage

7.1 Handling

Always wear recommended personal protective equipment. Ensure adequate ventilation. Do not allow product to contact skin, eyes and clothing. Keep away from fire, sparks and heated surfaces. Wash hands after handling the product and before eating, smoking, using lavatory, and at the end of day.

7.2 Storage

Store locked up in a well-ventilated place. Keep container tightly closed. Avoid extreme temperatures and keep the container in a dry, well ventilated and sunlight protected place between +15°C and +25°C.

Keep away from food, beverage and fodder. Keep away from children, animals and non-authorized personnel. Keep away from heat, sources of ignition and combustible materials.

8. Exposure controls/Personal protection

8.1 Engineering measures



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Ensure adequate ventilation of the working area.

8.2 Hygiene measures

Avoid repeated or prolonged inhaling of the product fumes. Avoid contact with skin. Remove the contaminated clothes. Hands should be washed carefully after handling the product, before meals and at the end of the day. 8.3 Respiratory system protection Use a mask if necessary.

8.4 Skin and body protection

Clothes, gloves and shoes appropriate for a potential exposure to chemical substances.

8.5 Eyes protection

Safety glasses with lateral protection and shield.

8.6 Skin protection

Chemical resistant gloves.

8.7 Additional recommendations

Provide eyewash stations and quick-drench shower facilities. At high levels of exposure, warnings on personal protection are applicable. Select the suitable personal protection based on the evaluation of the exposure actual risks in the existing conditions.

9. Physical and chemical properties

Physical state: Dark brownish liquid.

pH (pure product): 4.0 ± 0.5 pH

(1% w/w in water): 5.1 ± 0.5 Density:

1.22 ± 0.05 g/mL

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heating (decomposition due to organic matter presence).

10.5 Incompatible materials

Strong bases and oxidant agents.

10.6 Hazardous decomposition products

None under normal processing conditions. In case of extreme fire, Toxic vapors of nitrogen (NO_x-) and carbon (CO_x) oxides may occur.

11. Toxicological information

11.1 Immediate (acute) effects

Not available.

11.2 Delayed (subchronic and chronic effects)

Unknown.

12. Ecological information

12.1 Mobility

Not available.

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12.2 Ecotoxicity

Not available.

12.3 Biodegradability

Biodegradable.

12.4 Bioaccumulation Not available.

12.5 Other possible effects on the environment Do not incorporate into aquifers.

13. Disposal considerations

13.1 Product

Do not pour the product in sewers. Keep the residues in sealed and labeled containers. Throw it away in authorized dumps for plant protection products or incinerate according to in force regulations. Product must be disposed of according to local, regional, national and international regulations.

13.2 Contaminated packaging

Completely empty the package. Rinse the package and dump the water into the application mixture. Do not use the package to store water or food. The package must be disposed of according to local, regional, national and international regulations.

14. Transport information

14.1 General information

The product is stable at room temperature during its transportation. Product must be transported in properly sealed and labeled packages.

14.2 Overland transport ADR/RID Classification

Not hazardous.

14.3 Seaborne transport IMDG Classification

Not hazardous.

14.4 Air transport ICAO-IATA & IATA-DGR Classification ICAO/IATA 3 UN/ID-No. Not hazardous.

Other information

Current issue date: 30/04/2020

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. Product must not be used for any purposes other than those specified under heading 1, without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. Information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

Training advice: Before handling this substance/preparation, the personnel involved should be instructed by means of this safety data sheet.

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