

SAFETY DATA SHEET

According to Regulation JIS Z 7252
Revision: 1.1 - 16/01/2024



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

1.1 Product identifiers

Product name: ENVITA™ WG
Alternative names: ENVITA™ WSG
ENVITA™ Dry
ENVITA™ Granular
ENCERA™ WG
ENCERA™ WSG
Product form: Biological agent
Product group: Trade product
Product code: AZ-DY-03

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

Recommended uses: Fertilizers

1.3 Details of the supplier of the safety data sheet

Manufacturer: Azotic Technologies Ltd.
Address: Unit 6 Hassacarr Close
Chessingham Park
Dunnington
York
Postcode: YO19 5SN
Country: UNITED KINGDOM
Telephone: +44 (0) 1904 949 696
Email: info@azotictechnologies.com

1.4 Emergency telephone

Emergency telephone no. (worldwide): 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (GHS-CA)
Not classified

Adverse physicochemical, human health and environmental effects
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2 GHS Label elements, including precautionary statements

GHS-CA labelling
No labelling applicable

2.3 Other hazards

No additional information available

2.4 Unknown acute toxicity (GHS-CA)

No data available

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

Name	Classification (GHS-CA)
Gluconacetobacter diazotrophicus	Not classified

3.2 Mixtures

Not applicable

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SECTION 4: First aid measures

4.1 Description of first aid measures

First-aid measures after inhalation:	Move person to fresh air. No further action required.
First-aid measures after skin contact:	Wash with soap and water. No further action required.
First-aid measures after eye contact:	Flush with clean water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms/injuries after skin contact:	Irritation
Symptoms/injuries after eye contact:	Eye irritation

4.3 Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment:	Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Suitable Extinguishing media

Suitable extinguishing media: Water spray; Dry powder; Foam; Carbon dioxide

5.2 Unsuitable extinguishing media

No additional information available

5.3 Specific hazards arising from the hazardous product

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

5.4 Special protective equipment and precautions for fire-fighters

Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No additional information available

6.2 Methods and material for containment and cleaning up

For containment:	Collect spillage.
Methods for cleaning up:	Sweep up powder gently without creating dust clouds. Then mop surfaces with clean water containing disinfectant.
Other information:	No special disposal measures necessary. Follow local regulations.

6.3 Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:	Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build-up of dust in the work atmosphere. Avoid inhalation of dust, and skin or eye contact. Wear personal protective equipment.
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Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, dry conditions in an airtight container away from sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Appropriate engineering controls

Appropriate engineering controls: Store in ventilated area but do not open containers in strong draughts or windy conditions.

Individual protection measures/Personal protective equipment

Hand protection:	Protective gloves
Eye protection:	Safety glasses
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	May cause mild irritation: Powder mask FFP2 recommended
Environmental exposure controls:	None

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid
Appearance	White to beige hygroscopic granular or coarse powder, odorless to faint caramel
pH of 1% solution:	5-7
Evaporation rate:	No data available
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Vapour pressure:	No data available
Relative density:	No data available
Relative density of saturated gas/air mixture:	No data available
Relative gas density:	No data available
Solubility:	Complete
Flammability (solid):	Non flammable
Flammable (explosive) limit upper:	Not applicable
Flammable (explosive) limit lower:	25-45g/m ³ if airborne as dust (Note: granular form as commercially packaged)
Combustible properties:	Product is not combustible under normal use in commercially packaged quantities. When bulk handling, dust clouds should be considered as potentially combustible (i.e: subject to organic dust fire and explosion at high dust densities in air). Under these circumstances intrinsically safe dust

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extraction systems, cleaning procedures, electrical earthing and other safety measures must be used to avoid the risk of explosion.

Not classified

- Oxidising properties:
9.2 Other information
No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

Hazardous polymerization: Will not occur

10.2 Chemical stability

Stability: Stable, no toxic fumes

10.3 Conditions to avoid

Heat, flames and other ignition sources.

10.4 Incompatible materials

Incompatibility: Incompatible with oxidising agents

10.5 Hazardous decomposition products

Decomposition: Biodegradable, non-GMO. With heat, product burns/oxidises to form carbon, carbon monoxide and or carbon dioxide.

SECTION 11: Toxicological information

Primary routes of entry: Eyes and ingestion

Symptoms of exposure

Skin: No data available

Eyes: May cause eye irritation

Inhalation: May cause sneezing or coughing

LD₅₀ Data cells/mouse

Lethal intra-abdominal LD₅₀/h >2x10⁹

Lethal dose in the oral test LD₅₀ per os >15x10⁹

SECTION 12: Ecological information

12.1 Toxicity

Honeybees, Acute Oral Toxicity Test (OECD No. 213)

Injection LD₅₀ 3242.80 µg/individual

Semi-oral LD₅₀ 3421.21 µg/individual

Earthworms (ISO 11268-1:2003)

LD₅₀ 4398.10 mg/kg

12.2 Persistence and degradability

Persistence: Low (biodegradable)

12.3 Bioaccumulation potential

Not expected to bioaccumulate

12.4 Mobility in soil

Completely soluble in water

12.5 Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1 Disposal methods

Do not reuse product packing materials and residues. Dispose the product packing materials and residues according to local state and federal health and environmental regulations.

Dispose empty containers and surplus material in a safe manner so as to prevent environmental or water pollution, or contamination of food and animal feed. Never use the empty containers for storing food or water.

SECTION 14: Transport information

Transport requirements: No special precautions necessary when individually packaged in commercial quantities

In accordance with ADR / IMDG / IATA, this product is NOT AN ENVIRONMENTALLY HAZARDOUS SUBSTANCE:

Dangerous for the environment:	No
Marine pollutant:	No

SECTION 15: Regulatory information

15.1 National regulations

No additional information available

15.2 International regulations

Gluconacetobacter diazotrophicus

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

SECTION 16: Other information

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