

SAFETY DATA SHEET

According to Federal Register / Vol. 77,
No. 58 / Monday, March 26, 2012
Revision: 4.1 - 09/12/2024



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

SAFETY DATA SHEET

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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/m³ 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

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circumstances intrinsically safe dust 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
LD ₅₀ Data cells/mouse	
Lethal intra-abdominal	LD ₅₀ v/h >2x10 ⁹ CFU/mouse
Lethal dose in the oral test	LD ₅₀ per os >15x10 ⁹ CFU/mouse

SECTION 12: Ecological information

- 12.1 Toxicity**
Low
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

SAFETY DATA SHEET

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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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Supersedes: v3.0 03/15/2023

SDS Canada (GHS)