

**SECTION 1: Identification**
**1.1. Product identifier**

Product form: Biological agent  
 Product group: Trade product  
 Registration Number: 2020065A Fertilizer Act

**1.2. Recommended use and restrictions on use**

Recommended uses and restrictions: Fertilizers

**1.3. Supplier**

Azotic Technologies Ltd.  
 Unit 6, Hassacarr Close,  
 Dunnington,  
 York, YO195SN  
 UK  
 info@azotictechnologies.com

**1.4. Emergency telephone number**

Emergency number: 1-800-424-9300

**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

**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.

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According to the Hazardous Products Regulation (February 11, 2015)

<b>4.2. Most important symptoms and effects (acute and delayed)</b>	
Symptoms/injuries after skin contact:	Irritation
Symptoms/injuries after eye contact:	Eye irritation
<b>4.3. Immediate medical attention and special treatment, if necessary</b>	
Other medical advice or treatment:	Treat symptomatically
<b>SECTION 5: Fire-fighting measures</b>	
<b>5.1. Suitable extinguishing media</b>	
Suitable extinguishing media:	Water spray. Dry powder. Foam. Carbon dioxide.
<b>5.2. Unsuitable extinguishing media</b>	
No additional information available	
<b>5.3. Specific hazards arising from the hazardous product</b>	
Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
<b>5.4. Special protective equipment and precautions for fire-fighters</b>	
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.
<b>SECTION 6: Accidental release measures</b>	
<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
No additional information available	
<b>6.2. Methods and materials for containment and cleaning up</b>	
For containment:	Collect spillage.
Methods for cleaning up:	Take up liquid spill into absorbent material.
Other information:	Dispose of materials or solid residues at an authorized site.
<b>6.3. Reference to other sections</b>	
For further information refer to section 8: "Exposure controls/personal protection"	
<b>SECTION 7: Handling and storage</b>	
<b>7.1. Precautions for safe handling</b>	
Precautions for safe handling:	Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures:	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	
Storage conditions:	Store in a well-ventilated place. Keep cool. Do not freeze.
<b>SECTION 8: Exposure controls/personal protection</b>	
<b>8.1. Control parameters</b>	
No additional information available	
<b>8.2. Appropriate engineering controls</b>	
Appropriate engineering controls:	Ensure good ventilation of the work station.
<b>8.3. Individual protection measures/Personal protective equipment</b>	
Hand protection:	Protective gloves.
Eye protection:	Safety glasses.
Skin and body protection:	Wear suitable protective clothing.
Respiratory protection:	None
Environmental exposure controls:	None

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Dark brown liquid with caramel odour
pH:	5 -7
pH solution:	No data available
Relative evaporation rate (butyl acetate=1):	No data available
Relative evaporation rate (ether=1):	No data available
Melting point:	Not applicable
Freezing point:	No data available
Boiling point:	>100°C
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Vapour pressure:	No data available
Relative vapour density:	Air =1
Relative density:	No data available
Relative density of saturated gas/air mixture:	No data available
Density:	1 g/ml
Relative gas density:	No data available
Solubility:	Complete

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	None under recommended storage and handling conditions (see section 7).

## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

Acute toxicity (oral):	Oral: Not classified.
Acute toxicity (dermal):	Dermal: Not classified.
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	May cause eye irritation
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (single exposure):	Not classified
Specific target organ toxicity (repeated exposure):	Not classified
Aspiration hazard:	Not classified

## SECTION 12: Ecological information

## 12.1. Toxicity

Ecology – general: Toxic to aquatic life with long lasting effects.

## 12.2. Persistence and degradability

Not expected to be persistent

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<b>12.3.</b>	<b>Bioaccumulative potential</b>	Not expected to bioaccumulate
<b>12.4.</b>	<b>Mobility in soil</b>	Completely soluble in water
<b>12.5.</b>	<b>Other adverse effects</b>	No additional information available
SECTION 13: Disposal considerations		
<b>13.1.</b>	<b>Disposal methods</b>	No additional information available
SECTION 14: Transport information		
<b>14.1.</b>	<b>Basic shipping description</b>	In accordance with TDG TDG Department of Transportation (DOT) In accordance with DOT Transportation of Dangerous Goods Transport by sea Air transport
		Not applicable Not applicable Not applicable Not applicable
SECTION 15: Regulatory information		
<b>15.1.</b>	<b>National regulations</b>	No additional information available
<b>15.2.</b>	<b>International regulations</b>	Gluconacetobacter diazotrophicus Not listed on the United States TSCA (Toxic Substances Control Act) inventory
SECTION 16: Other information		
<b>16.1</b>	Date of issue: 28/09/2022 Revision date: 28/09/2022 Supersedes: 05/04/2022 SDS Canada (GHS) This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.	