



**THE BIOCONSULTING**  
Expect The Unexpected

Issue Date: 28 June 2023  
Replaces Version Dated: 09 March 2023

## SAFETY DATA SHEET

**PRODUCT NAME: Crop4Life 0-0-7**

Not classified as hazardous according to the criteria of WHS Model Regulations

### 1.0 IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

**Product Name:** Crop4Life 0-0-7  
**Product use:** Botanical extract based plant stimulant/nutrient synergist.  
**Not recommended for:** For industrial use only. Do not use for any other purpose.  
**Company Details:** The Bio Consulting (PTY) Ltd  
**Telephone /Fax:** Tel +21 21 863 4888  
**Emergency Tel:** Tel +21 21 863 4888

### 2.0 HAZARDS IDENTIFICATION

**WHS:**

|                              |   |
|------------------------------|---|
| <b>Dangerous Goods:</b>      | Not classified as dangerous goods according to ADG code.  |
| <b>Hazardous Substances:</b> | Not classified as hazardous according to the criteria of WHS Model Regulations.                     |
| <b>Hazard Category:</b>      | Nil   |
| <b>Other Information:</b>    | First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. |

**GHS Classification:**

| Hazard   | Category          | Type          |
|--|-------------------|---------------|
| Nil  |                   | Physical      |
| Acute toxicity oral<br>Skin Irritation<br>Serious eye irritation | Nil<br>Nil<br>Nil | Health        |
| Acute aquatic toxicity   |                   | Environmental |

**GHS Label Elements:**

|                     |     |  |
|---------------------|-----|--|
| <b>Signal Word:</b> | Nil |  |
| <b>Pictogram:</b>   | Nil |  |

**Hazard Statements:**

Nil

**Precautionary Statements:**

| Code | Prevention                    | Code           | Response  | Code       | Storage                                      | Code | Disposal  |
|------|-------------------------------|----------------|---|------------|--|------|---|
| P102 | Keep out of reach of children | P301           | If swallowed do not induce vomiting. Rinse mouth with water     | P403, P235 | Store in a well-ventilated place. Keep cool. | P501 | Dispose of in accordance with local regulations |
| P103 | Read label before use         | P303, 361, 353 | If on skin, remove contaminated clothing, rinse skin with water |            |  |      |   |

**3.0 COMPOSITION / INFORMATION ON INGREDIENTS****General Information on ingredients:**

Product is based on botanical extracts and fatty acids

| Ingredient Name           | CAS number  | % Weight | Classification   | Level        | GHS H-Codes          |
|---------------------------|-------------|----------|--|--------------|----------------------|
| Ethanol                   | 64-17-5     | 4-6%     | Oral toxicity<br>Skin irritation<br>Serious eye irritation | 4<br>2<br>2A | H302<br>H315<br>H319 |
| Glycerine                 | 56-81-5     | 23-35%   | Oral toxicity<br>Skin irritation<br>Serious eye irritation | Nil          | H302<br>H315<br>H319 |
| Bioflavonoid Mixture      | 72968-50-4  | 4-8%     | Oral toxicity<br>Skin irritation<br>Serious eye irritation | Nil          | H302<br>H315<br>H319 |
| Fatty Acid Blend          | Proprietary | 15-25%   | Skin irritation<br>Serious eye irritation                  | Nil          | H315<br>H319         |
| Non-hazardous ingredients | Proprietary | 5-10%    | Nil  | Nil          | Nil                  |
| Potassium Carbonate       | 584-08-7    | 10-30%   | Skin irritation<br>Serious eye irritation                  | 2B           | H315<br>H319         |
| Water                     | N/A         | Rem.     |  |              |                      |

#### 4.0 FIRST AID MEASURES

|                             |  |
|-----------------------------|--|
| <b>General Information:</b> | For advice, contact <b>Tygerberg Poison Information centre</b><br>Phone number: +27 (0)21 931 6129 or a physician.<br>Show this safety data sheet to the doctor in attendance.<br>- <b>Notes to Physician</b><br>All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.      |
| <b>Inhalation:</b>          | Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTRE or doctor/physician.  |
| <b>Ingestion:</b>           | If person is conscious rinse mouth with water. Do not induce vomiting without medical advice. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If victim is conscious, give water to further dilute the chemical. |
| <b>Skin Contact:</b>        | In case of contact, wash affected area with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.  |
| <b>Eye Contact:</b>         | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call a POISON CENTRE or doctor/physician if irritation persists.   |

#### 5.0 FIRE FIGHTING MEASURES

|                                |  |
|--------------------------------|--|
| <b>Extinguishing Media:</b>    | Use extinguishing media suitable for surrounding fire situation.   |
| <b>Specific Hazards:</b>       | Nil  |
| <b>Advice to Firefighters:</b> | Firefighters should wear Self-Contained Breathing Apparatus and full protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from fire area |
| <b>Hazchem Code:</b>           | Nil  |

#### 6.0 ACCIDENTAL RELEASE MEASURES

|                             |   |
|-----------------------------|---|
| <b>Spills and Disposal:</b> | Wear suitable protective clothing to minimise exposure. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. If safe to do so, remove undamaged containers from area.<br>Bund area using inert absorbent material such as sand, then collect in plastic containers. Alert local authorities if large spills cannot be contained.<br>Dispose of residues to approved land fill in accordance with local regulations. Do not allow residues to enter water drains. Clean area using detergent and water to avoid slippery residues. |
|-----------------------------|---|

## 7.0 HANDLING AND STORAGE

|                 |   |
|-----------------|---|
| <b>Handling</b> | Always add product to water, never water to product.<br>It is recommended that all who come into contact with the concentrated material be appropriately covered to avoid skin and eye contact, and maintain good standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Keep container closed and bung in place when not in use. When handling product ensure good ventilation is maintained through either natural airflow, or mechanical systems. |
| <b>Storage</b>  | Always store in original containers. If container is damaged transfer contents to a PVC or polyethylene container. Never store in a metal container. Keep containers closed when not in use and securely stored to avoid physical damage. Always store away from possible areas of high temperature. Inspect containers regularly for deficiencies such as damage or leaks.   |

## 8.0 EXPOSURE CONTROLS AND PERSONAL PROTECTION

|                               |   |
|-------------------------------|---|
| <b>Exposure Limits</b>        | No exposure limit has been established for this product.  |
| <b>Respiratory Protection</b> | Not necessary for general use of the product. Ensure adequate ventilation, especially in confined areas. However, in case of insufficient ventilation wear suitable respiratory equipment. Wear a positive-pressure supplied-air respirator. Reference should be made to Australian Standards AS/NZS 1715 |
| <b>Eye Protection</b>         | Wear safety glasses to avoid accidental splashes.   |
| <b>Hand Protection</b>        | Wear impervious vinyl or rubber gloves when handling concentrate.   |
| <b>Body Protection</b>        | Light duty impervious rubber or plastic protective clothing or apron is recommended if handling large quantities of concentrate.  |
| <b>Engineering Controls</b>   | Not required for general use other than good natural ventilation. For confined space work ensure mechanical ventilation is applied.   |
| <b>Other Information</b>      | Prevent spills from entering natural waterways.   |

## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

|                               |  |
|-------------------------------|--|
| <b>Appearance</b>             | Dark red/Brown clear medium viscosity liquid |
| <b>Odour</b>                  | Distinct                                     |
| <b>Boiling Point</b>          | No Data                                      |
| <b>pH</b>                     | 3.5  |
| <b>Solubility in Water</b>    | Dispersible in water                         |
| <b>Specific Gravity</b>       | 1.1 @ 20 <sup>o</sup> C                      |
| <b>Physical State</b>         | Liquid                                       |
| <b>Flash Point</b>            | N/A  |
| <b>Flammability</b>           | Not flammable                                |
| <b>Flammability Limit LEL</b> | N/A  |
| <b>Flammability Limit UEL</b> | N/A  |

**10.0 STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Stability</b>                        | Stable under normal conditions of storage handling and use. |
| <b>Hazardous Polymerisation</b>         | Will not occur.   |
| <b>Materials to avoid</b>               | Oxidizing agents (Chlorine, peroxide etc). Strong alkalies. |
| <b>Hazardous decomposition Products</b> | Possible Carbon mono and dioxides.                          |
| <b>Hazardous Reaction</b>               | Nil.  |

**11.0 TOXICOLOGICAL INFORMATION**

|                               |   |
|-------------------------------|---|
| <b>Toxicology Information</b> | Not available for this product. Similar technology LD <sub>50</sub> Acute Oral (Rat > 5800mg/kg   |
| <b>Inhalation</b>             | No data   |
| <b>Ingestion</b>              | Not a likely source of exposure, however, contact with concentrate may cause irritation with some people. Potential symptoms of ingestion include nausea, diarrhoea, abdominal pain and vomiting. |
| <b>Skin</b>                   | May cause mild irritation with prolonged contact with the concentrate, which can result in redness in some people.  |
| <b>Eye</b>                    | Concentrate may be Irritating to eyes. May cause transient soreness on prolonged contact with dilute solutions. Immediate irrigation with water is recommended                                    |
| <b>Sensitizing effects</b>    | None Known. Not expected to be a sensitizer   |
| <b>Chronic effects</b>        | No known adverse effects  |

**12.0 ECOLOGICAL INFORMATION**

|                         |   |
|-------------------------|---|
| <b>Eco Toxicity</b>     | No information for product. Not expected to be harmful to the environment |
| <b>Aquatic Toxicity</b> | Not considered harmful to aquatic organisms when diluted beyond 5% v/v    |
| <b>Biodegradability</b> | Readily biodegradable   |
| <b>Bioaccumulation</b>  | No Data available, but not expected to bio-accumulate                     |

**13.0 DISPOSAL CONSIDERATIONS**

|                   |  |
|-------------------|--|
| <b>General</b>    | Dispose of waste according to federal, E.P.A., state and local regulations, for flammable goods. Assure conformity with all applicable regulations |
| <b>Containers</b> | Before disposing of empty containers, ensure contents are washed out and collected. Do not dispose of unwashed containers.                         |

## 14.0 TRANSPORT INFORMATION

### Road and Rail Transport

|   |     |
|---|-----|
| Not classified as dangerous goods according to the ADG code |     |
| Proper shipping name  | Nil |
| UN Number   | Nil |
| Class   | Nil |
| Packing Group   | Nil |
| Hazchem Code  | Nil |

### Marine Transport

|  |     |
|--|-----|
| Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. |     |
| Proper shipping name   | Nil |
| UN Number  | Nil |
| Class - Primary  | Nil |
| Packing Group  | Nil |

### Air Transport

|   |     |
|---|-----|
| Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous goods Regulations for transport by air. |     |
| Proper shipping name  | Nil |
| UN Number   | Nil |
| Class - Primary   | Nil |
| Packing Group   | Nil |

## 15.0 REGULATORY INFORMATION

|                          |   |
|--------------------------|---|
| Precautionary Statements | P102 Keep out of reach of children<br>P103 Read label before use                      |
| Poisons schedule         | Nil   |
| AICS (Australia)         | All ingredients are listed in the Australian Inventory of Chemical Substances (AICS). |

## 16.0 OTHER INFORMATION

*This SDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

**Contact Person/Point** The Bio Consulting (PTY) Ltd Manager +27 82 373 8502

**SDS History** SDS Creation 28-06-2023

End of SDS...

