

---

## PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

---

### Product Name: **BioMAX Digest Kicker**

A high nitrogen fertiliser with microbial food sources for application with cellulose digesting fungi.

---

#### LawrieCo Pty Ltd

A.B.N. 72 134 390 855  
47 Naweena Road, Regency Park,  
SOUTH AUSTRALIA, 5010  
Tel: +61 8 8260 1134  
Fax: +61 8 8260 2263

Web: [www.lawrie.co.au](http://www.lawrie.co.au)  
Email: [info@lawrie.co.au](mailto:info@lawrie.co.au)



Emergency Contact

Poisons Information Centre:  
13 11 26

LawrieCo Technical Manager:  
0408 268 058

---

## HAZARD IDENTIFICATION

---

### **WARNING**

#### **GHS REQUIREMENTS**

P102 - Keep out of reach of children.

#### **RISK PHRASES**

None Allocated

#### **SAFETY PHRASES**

S2 - Keep out of reach of children.

This product is:

- Classified as **Non-Hazardous** in accordance with Safe Work Australia
- Hazardous Substance Information System (HSIS) or Global Harmonised System (GHS)
- Not Classified as Dangerous Goods in accordance with the (ADG)
- Australian Code for Transport of Dangerous Goods by Road and Rail.

**NON-HAZARDOUS SUBSTANCE**  
**NOT CONSIDERED DANGEROUS GOODS**

**SUSDP**  
**UN Number**

Not Classified as a Scheduled Poison  
None allocated

## COMPOSITION / INFORMATION ON INGREDIENTS

|   |  |                   |                       |
|---|--|-------------------|-----------------------|
| <b>Product Name</b>                             | BioMAX DIGEST KICKER   | <b>MSDS Code</b>  | 8010                  |
| <b>Product Use</b>                              | Contains natural chelating and biological stimulants with microbial food to be applied with cellulose digesting fungi. It is part of the LawrieCo Digestion Program to break down stubble residues and thatching in turf by digestion of cellulose in dead plant material. |                   |                       |
| <b>Ingredients</b>                              | <b>Name</b>  | <b>CAS Number</b> | <b>Proportion w/w</b> |
|   | Water  | 7732-18-5         | 30.0 – <60.0%         |
|   | Proprietary Plant Growth Stimulants (Non-Hazardous)  | Not Known         | 10.0 – <30.0%         |
|   | Ammonium Sulphate  | 7783-20-2         | 10.0 – <30.0%         |
|   | Ammonium Nitrate   | 6684-52-2         | 10.0 – <30.0%         |
|   | Urea   | 57-13-6           | 10.0 – <30.0%         |
| Potassium Fulvate (Fulvic Acid, Potassium Salt) | Not Known  | 5.0 – <10.0%      |                       |

## FIRST AID MEASURES

|                             |  |
|-----------------------------|--|
| <b>Inhalation</b>           | If the applicator feels drowsy, dizzy, tired or is experiencing headaches, remove the victim to fresh air. Keep the victim warm and quiet until all symptoms subside.  |
| <b>Ingestion</b>            | Do NOT induce vomiting. If swallowed, give plenty of water to drink. Seek medical attention if any symptoms occur.   |
| <b>Eyes</b>                 | If splashed into eyes, hold eyelids apart, and flush the eyes continuously with running water for at least 15 minutes. Continue flushing until advised by a doctor. Seek medical attention if any irritation occurs. |
| <b>Skin and Hair</b>        | If skin or hair contact occurs, remove all contaminated clothing, flush skin and hair with running water.  |
| <b>First Aid Facilities</b> | Clean water supply, soap or skin cleaner, barrier cream.   |
| <b>Advice to Doctor</b>     | If poisoning occurs, consult with the Poisons Information Centre (Telephone <b>13 11 26</b> ). Have a copy of this safety data sheet or label available. Treat symptomatically.                                      |



## FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing Media and Requirements</b>                           | Not required as the product is non-flammable and non-combustible.   |
| <b>HAZCHEM Hazardous Decomposition Products</b>                       | No assigned Hazchem Code.<br>Not Known  |
| <b>Flammability</b>   | Non-flammable and non-combustible liquid.   |
| <b>Specific Hazards</b>   | Not Known   |
| <b>Special Protective Equipment and Precautions for Fire Fighters</b> | Fire fighters should wear Chemical Splash Suit with attached Self-Contained Breathing Apparatus and gloves. Evacuate all non fire fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all containers and equipment from the direction of the fire, if safe to do so. Keep upwind. |



---

## ACCIDENTAL RELEASE MEASURES

---

|   |   |
|---|---|
| <b>Personal Protection, Protective Equipment and Emergency Procedures</b> | The wearing of Personal Protective Equipment is recommended including skin and hair protection, safety glasses fitted with side shields or face shield, enclosed footwear and protective clothing. Ensure all non personnel is away from contaminated area. |
| <b>Spills and Leaks</b>   | Wash area down with excess water.   |
| <b>Disposal</b>   | No special disposal requirements. For any queries consult Local Statuary Authorities.   |
| <b>Environmental Precautions</b>  | Residues may be washed away with water, since the product is non-hazardous to the environment.  |
| <b>Other Precautions</b>  | Not Required  |



---

## HANDLING and STORAGE

---

|                                     |   |
|-------------------------------------|---|
| <b>Precautions of Safe Handling</b> | Keep out of reach of children. Avoid contact with eyes, skin and hair. Wear recommended protective clothing, eye, hair and skin protection, gloves and enclosed footwear. After use and before eating, drinking or smoking, wash all exposed skin and hair with soap and water. |
| <b>Safe Storage</b>                 | Containers must be clearly labelled, rigid and strong. Ensure there is adequate ventilation at all times and stored away from combustible materials. Keep in original, correctly labelled containers at all times.  |

---

## EXPOSURE CONTROLS / PERSONAL PROTECTION

---

|                                   |  |
|-----------------------------------|--|
| <b>Exposure Standards OEL</b>     | There are no assigned exposure standards for this product since this product is non-hazardous.   |
| <b>Exposure Standards STEL</b>    | There are no assigned exposure standards for this product since this product is non-hazardous.   |
| <b>Biological Limited Values</b>  | There are no known Biological Limited Values that have been assigned.  |
| <b>Engineering Controls</b>       | No ventilation requirements are necessary.   |
| <b>Inhalation AS –NZS 1715/16</b> | Not Required   |
| <b>Eye AS –NZS 1337</b>           | It is advisable to wear safety glasses fitted side shields or face shield at all times during the handling and application period. Do not wear contact lenses. |
| <b>Gloves AS –NZS 2161</b>        | It is advisable to wear Viton or PVC gloves at all times during the handling and application period.   |
| <b>Footwear AS –NZS 2210</b>      | It is advisable to wear enclosed footwear.   |
| <b>Clothing AS –NZS 2919</b>      | It is advisable to wear protective clothing at all times during the handling and application period.   |
| <b>Hearing AS –NZS 1270</b>       | Not Required   |
| <b>Other Requirements</b>         | Avoid unnecessary contact with eyes, skin and hair. After application, wash skin thoroughly with soap and water.   |



---

## PHYSICAL AND CHEMICAL PROPERTIES

---

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                       | Light brown liquid             |
| <b>Odour</b>  | Slight ammonia and sweet odour |
| <b>Odour threshold</b>                                  | Not applicable                 |
| <b>pH</b>   | 4.70 – 5.00                    |
| <b>Freezing point</b>                                   | <5 °C                          |
| <b>Boiling Point and boiling range</b>                  | 100 °C                         |
| <b>Flash Point</b>                                      | Non-flammable                  |
| <b>Evaporation rate</b>                                 | Not known                      |
| <b>Flammability</b>                                     | Not required                   |
| <b>Upper/lower flammability or explosive limits</b>     | Non-flammable                  |
| <b>Vapour Pressure</b>                                  | Not known                      |
| <b>Vapour Density</b>                                   | Not known                      |
| <b>Relative density</b>                                 | 1.21 – 1.23                    |
| <b>Solubility</b>                                       | Soluble in water               |
| <b>Partition coefficient: n-octanol/water</b>           | Not known                      |
| <b>Auto-ignition temperature</b>                        | Not required                   |
| <b>Decomposition temperature</b>                        | Not known                      |
| <b>Viscosity</b>  | Not known                      |
| <b>Specific heat value</b>                              | Not known                      |
| <b>Particle size</b>                                    | Not applicable                 |
| <b>Volatile organic compounds content</b>               | Not volatile                   |
| <b>% volatile</b>                                       | Not volatile                   |
| <b>Saturated vapour concentration</b>                   | Not known                      |
| <b>Release of invisible flammable vapours and gases</b> | Not known                      |
| <b>Flammability Limits</b>                              | Not required                   |

---

## STABILITY AND REACTIVITY

---

|  |  |
|--|--|
| <b>Reactivity</b>  | Slightly corrosive to metals.                        |
| <b>Chemical Stability</b>                                      | Stable under normal conditions of use.               |
| <b>Conditions to avoid</b>                                     | Not known  |
| <b>Incompatible materials and possible hazardous reactions</b> | Not known  |
| <b>Hazardous decomposition products</b>                        | There are no known hazardous decomposition products. |
| <b>Hazardous Polymerization</b>                                | Will not polymerize.                                 |

---

## TOXICOLOGICAL INFORMATION

---

|  |                   |                  |            |
|--|-------------------|------------------|------------|
|  | Ammonium Sulphate | Ammonium Nitrate | Urea       |
| <b>Acute Oral Toxicity LC<sub>50</sub> Rat</b>       | 2840 mg/kg        | 2450 mg/kg       | 8470 mg/kg |
| <b>Acute Dermal Toxicity LC<sub>50</sub> Rabbit</b>  | Not Known         | Not Known        | 8200mg/kg  |
| <b>Acute Inhalation Toxicity LC<sub>50</sub> Rat</b> | Not Known         | Not Known        | Not Known  |

### Other Health Effects

|                              |  |
|------------------------------|--|
| <b>Inhalation</b>            | Not an inhalation risk since the product is an aqueous solution.                             |
| <b>Ingestion</b>             | May irritate the digestive system if swallowed.  |
| <b>Eyes</b>                  | May irritate the eyes, including burning sensation, redness, swelling and/or blurred vision. |
| <b>Skin</b>                  | May cause irritation to the skin.  |
| <b>Carcinogenicity</b>       | Not carcinogenic in animal studies.  |
| <b>Mutagenicity</b>          | Not mutagenic in animal studies  |
| <b>Reproductive Toxicity</b> | Does not impair fertility.   |

---

## ECOLOGICAL INFORMATION

---

|                                      |                       |
|--------------------------------------|-----------------------|
| <b>Exotoxicity</b>                   | Not Known             |
| <b>Persistence and Degradability</b> | Readily biodegradable |
| <b>Mobility in soil</b>              | High mobility in soil |
| <b>Bioaccumulative Potential</b>     | Not Known             |
| <b>Other Adverse Effects</b>         | Not Known             |

---

## DISPOSAL CONSIDERATIONS

---

### Spills

Wash down area with water. Prevent spills from entering surface water and ground water. Disposal must be carried out in accordance with Local Statuary Authorities.

### Material

Handle and dispose of in compliance with current environmental waste legislation. If in doubt contact Local Statuary Authorities.

### Contaminated Material

Empty containers may be suitable for reuse or recycling after cleaning and appropriate disposal of the cleaning agents. Disposal method dependent upon degree and nature of contaminated material. Disposal must be carried out in compliance with current environmental waste legislation. If in doubt seek professional advice or contact Local Statuary Authorities.

---

## TRANSPORT INFORMATION

---

|                             |                                |   |              |
|-----------------------------|--------------------------------|---|--------------|
| <b>UN number</b>            | Not Required                   |   |              |
| <b>Proper Shipping Name</b> | NOT CONSIDERED DANGEROUS GOODS |   |              |
| <b>Class</b>                | Not Required                   | <b>Subsidiary Risk</b>                  | Not Required |
| <b>Packing Group</b>        | Not Required                   |   |              |
| <b>Emergency Procedures</b> | Not Required                   | <b>Initial Emergency Response Guide</b> | Not Required |
| <b>HAZCHEM</b>              | Not Required                   |   |              |
| <b>IMDG</b>                 | Not Known                      |   |              |



---

## REGULATORY INFORMATION

---

|   |   |
|---|---|
| <b>Regulatory Information and Hazard Category</b> | The product is classified as a Non-Hazardous Substance in accordance with Safe Work Australia |
| <b>SUSDP</b>                                      | - Hazardous Substances Information System.  |
| <b>Classification</b>                             | Not Classified as a Schedule Poison.  |

---

## OTHER INFORMATION

---

This Safety Data Sheet conforms with the "PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS Code of Practice, DECEMBER 2011" by Safe Work Australia. To meet the GHS requirements under the WHS regulations in relation to the preparation of safety data sheets for hazardous chemicals.

**Emergency Contact**

Poisons Information Centre:  
13 11 26

LawrieCo Technical Manager:  
0408 268 058

**Disclaimer**

*Data provided is to best of LawrieCo knowledge and believed to be accurate and reliable as of the date of issue. However no expressed or implied warranties are given. LawrieCo cannot anticipate or control the conditions under which this information may be used. Therefore, it is user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document.*

**End of Safety Data Sheet**