



## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

|                                    |  |
|------------------------------------|--|
| <b>Product Name:</b>               | BiOWiSH® Crop  |
| <b>Recommended Use:</b>            | Agronomy Crop Production   |
| <b>Company:</b>                    | BiOWiSH Technologies, Inc.   |
| <b>Website:</b>                    | <a href="http://www.biowishtech.com">www.biowishtech.com</a>           |
| <b>Address:</b>                    | 2724 Erie Avenue, Suite C<br>Cincinnati, OH 45208<br>USA               |
| <b>Telephone Number:</b>           | +1 312-572-6700  |
| <b>Fax Number:</b>                 | +1 312-572-6710  |
| <b>Emergency Telephone Number:</b> | +1 312-572-6760  |
| <b>E-mail</b>                      | <a href="mailto:agronomy@biowishtech.com">agronomy@biowishtech.com</a> |



## SECTION 2 - HAZARD(S) IDENTIFICATION

|                                   |  |
|-----------------------------------|--|
| <b>Emergency Overview:</b>        | This product contains no substances which at their given concentration, are considered to be hazardous to humans, animals or the environment.  |
| <b>Classification:</b>            | Not classified as a hazardous substance or mixture in accordance with 29 CFR 1910 (OSHA HCS), amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (GHS). |
| <b>OSHA / GHS Label Elements:</b> | Signal Word: None<br>Hazard Statement(s): None   |
| <b>Possible Route of Entry:</b>   | Inhalation, ingestion, eyes, and skin.   |
| <b>Inhalation:</b>                | Inhalation of dust may cause respiratory tract irritation in some individuals.   |
| <b>Ingestion:</b>                 | Ingestion of large quantities may cause nausea.  |
| <b>Skin / Eye Irritation:</b>     | Direct contact with skin or eyes may cause mild irritation in some individuals.  |
| <b>Section 2 Notes:</b>           | In the unlikely event that over-exposure occurs, follow first aid measures in section 4. See section 11 for additional toxicological information and section 12 for additional ecological information.                 |

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

| <b>Ingredient:</b>                                    | <b>CAS</b>  | <b>Percent*:</b>      |
|---|---|-----------------------|
| <b>Active microbial cultures (Biosafety Level 1):</b> | NA  | 0.1% - 1.0% (nominal) |
| <b>Dextrose</b>                                       | 50-99-7   | 97.0% – 99.9%         |
| <b>Section 3 notes:</b>                               | *Exact percentage (concentration) of composition has been withheld as a trade secret. |                       |



## SECTION 4 - FIRST-AID MEASURES

|                    |  |
|--------------------|--|
| <b>General:</b>    | Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.  |
| <b>Eyes:</b>       | Hold eye open and rinse slowly and gently with plenty of water for at least 15 minutes. If present, remove contact lenses and continue rinsing eye.                    |
| <b>Skin:</b>       | Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.  |
| <b>Inhalation:</b> | Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration.   |
| <b>Ingestion:</b>  | Call a doctor immediately if a large amount is swallowed. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. |

If poisoning occurs, contact your doctor or call the Poison Help Hotline on 1-800-222-1222.

## SECTION 5 - FIRE-FIGHTING MEASURES

|  |   |
|--|---|
| <b>General:</b>                          | Use methods and protective gear that are appropriate for the conditions and size of the fire.                 |
| <b>Extinguishing Media:</b>              | Use appropriate media for underlying cause involved in the fire.  |
| <b>Special Equipment:</b>                | Self-contained breathing apparatus and full protective gear according to the conditions and size of the fire. |
| <b>Special Fire Fighting Procedures:</b> | No special firefighting procedures.   |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

|                              |  |
|------------------------------|--|
| <b>Personal Precautions:</b> | Wear suitable protective clothing such as long-sleeved shirt, pants, waterproof gloves and shoes with socks. |
| <b>Methods for Clean Up:</b> | Carefully mop or sweep up spill and place in a closed container for disposal. Rinse area with water.         |
| <b>Fire hazards:</b>         | No unusual fire or explosion hazards.  |
| <b>Section 6 Notes:</b>      | Refer to section 8 for personal protection and section 13 for disposal considerations.                       |



## SECTION 7 - HANDLING AND STORAGE

|                               |   |
|-------------------------------|---|
| <b>Handling:</b>              | Use handling procedures that minimize exposure to the product.  |
| <b>Waste Disposal Method:</b> | Follow all federal, state, and local regulations.   |
| <b>Storage:</b>               | Store in cool, dry location out of direct sunlight. Storage above 40°C (104°F) for extended periods is not recommended. Once opened, keep dry in an airtight container. Once in solution, dose within 96 hours. |
| <b>Section 7 Notes:</b>       | Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Wash any contamination from skin or eyes immediately. Wash hands and exposed skin after handling product.                                 |

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

|                              |  |
|------------------------------|--|
| <b>General:</b>              | Protective clothing should be selected according to the conditions likely to be encountered in the workplace. Ensure good ventilation. No exposure limits have been established. |
| <b>Engineering Controls:</b> | Use process enclosures, local exhaust ventilation, or other engineering controls to reduce airborne exposure at locations/operations where dust may be generated.                |

### Personal Protective Equipment:

|                            |  |
|----------------------------|--|
| <b>Respirator Type:</b>    | If needed, use a dust/mist filtering face mask.  |
| <b>Ventilation:</b>        | Mechanical (General)   |
| <b>Hands/Skin:</b>         | Gloves made from chemically resistant material such as neoprene, vinyl, rubber or nitrile. |
| <b>Eye and Face:</b>       | Chemical safety goggles or safety glasses with side shields.                               |
| <b>Other Clothing:</b>     | Wear suitable protective clothing such as long-sleeved shirt, pants, and shoes with socks. |
| <b>Hygienic Practices:</b> | Wash hands and exposed skin after handling product.  |



## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|   |                             |  |                          |
|---|-----------------------------|--|--------------------------|
| <b><u>Appearance: (Physical state, color)</u></b> | Powder, off white color     | <b><u>Solubility in Water:</u></b>                     | Soluble in water         |
| <b><u>Upper/lower flammability:</u></b>           | No information available    | <b><u>Initial boiling point/range:</u></b>             | Decomposes               |
| <b><u>Odor:</u></b>                               | Mild, earthy odor           | <b><u>Ignitability (Flash Point) ASTM D92:</u></b>     | >182°C (360°F)           |
| <b><u>Vapor pressure:</u></b>                     | No information available    | <b><u>Evaporation rate (Butyl Acetate = 1):</u></b>    | No information available |
| <b><u>Odor threshold:</u></b>                     | No information available    | <b><u>Flammability:</u></b>                            | Solid                    |
| <b><u>Vapor density:</u></b>                      | No information available    | <b><u>Partition coefficient (n-octanol/water):</u></b> | No information available |
| <b><u>pH:</u></b>                                 | 5.0 – 6.0 S.U.              | <b><u>Auto-ignition temperature:</u></b>               | No information available |
| <b><u>Bulk Density:</u></b>                       | 0.6 – 0.8 g/cm <sup>3</sup> | <b><u>Decomposition temperature:</u></b>               | No information available |
| <b><u>Melting/Freezing Point:</u></b>             | No information available    | <b><u>Viscosity:</u></b>                               | No information available |

## SECTION 10 - STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b><u>Stability:</u></b>                              | Stable under recommended storage conditions.                        |
| <b><u>Incompatibility (Material to Avoid):</u></b>    | None that are known.  |
| <b><u>Hazardous Decomposition or By-Products:</u></b> | None that are known.  |
| <b><u>Conditions to Avoid:</u></b>                    | Storage above 40°C (104°F) for extended periods is not recommended. |

## SECTION 11 - TOXICOLOGICAL INFORMATION

|                                    |                    |
|------------------------------------|--------------------|
| <b><u>Oral Toxicity:</u></b>       | No data available. |
| <b><u>Dermal Toxicity:</u></b>     | No data available. |
| <b><u>Inhalation Toxicity:</u></b> | No data available. |



## SECTION 12 - ECOLOGICAL INFORMATION

|                                 |   |
|---------------------------------|---|
| <b>Ecological Information:</b>  | With regard to environmental fate and behavior this product is not expected to impose any environmental risk.   |
| <b>Ecotoxicity Information:</b> | No known conditions.  |
| <b>Section 12 Notes:</b>        | Information regarding the contents and levels of metals in this product is available on the internet at <a href="http://www.aapfco.org/metals.htm">http://www.aapfco.org/metals.htm</a> |

## SECTION 13 - DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>Disposal Method:</b>                  | Nonhazardous, refer to relevant Land Waste Management Authority               |
| <b>Special Precautions for Landfill:</b> | Dispose of in accordance with Local, State and Federal EPA waste regulations. |

## SECTION 14 - TRANSPORT INFORMATION

|                                 |   |
|---------------------------------|---|
| <b>UN Number:</b>               | None Allocated                                      |
| <b>UN Proper Shipping Name:</b> | None Allocated                                      |
| <b>Dangerous Goods Class:</b>   | Not regulated for shipment by air or ocean freight. |
| <b>Hazchem Code:</b>            | None Allocated                                      |

## SECTION 15 - REGULATORY INFORMATION

### Labeling According to EC Directives

|                   |              |
|-------------------|--------------|
| <b>Symbol:</b>    | Not Required |
| <b>R-phrases:</b> | Not Required |
| <b>S-phrases:</b> | Not Required |



## SECTION 16 - OTHER INFORMATION

|  |   |
|--|---|
| <b>Source of key data used to compile Safety Data Sheet:</b> | Component supplier of Safety Data Sheets for product. |
| <b>Revision Date:</b>  | 05 JAN 2018   |

This Safety Data Sheet (SDS) contains only safety related information. For other data see product literature.

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