



## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

<b>Product Name:</b>	BiOWiSH® Crop 16-40-0
<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 Cincinnati, OH 45208 USA
<b>Telephone Number:</b>	+1 312-572-6700
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<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 Hazard Statement(s): None
<b>Possible Route of Entry:</b>	Ingestion, inhalation, eyes, and skin.
<b>Inhalation:</b>	Inhalation of dust may cause respiratory tract irritation.
<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.
<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>Diammonium phosphate:</b>	7738-28-0	93.0% - 97.0%
<b>Diatomaceous earth:</b>	61790-53-2	3.0% - 5.0%
<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 immediately.
<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. If irritation persists, seek medical attention.
<b>Skin:</b>	Remove contaminated clothing. Wash skin with plenty of soap and water for at least 5 minutes. If irritation persists, seek medical attention.
<b>Inhalation:</b>	Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration. If irritation persists, seek medical attention.
<b>Ingestion:</b>	Call a doctor immediately if a large amount is swallowed. Rinse mouth with water. Have person sip 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. Avoid excessive water to minimize runoff.
<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. Prevent spilled material from entering drainage, sewers, or waterways.
<b>Fire hazards:</b>	May decompose when exposed to high temperatures releasing toxic gases ammonia and phosphorus oxides.
<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>	Cover and store in a cool, dry location out of direct sunlight. Once opened, keep in an airtight container to maintain the integrity of the product. 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>	Crystalline 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>	No information available
<b><u>Odor:</u></b>	Mild ammonia odor	<b><u>Ignitability (Flash Point) ASTM D92:</u></b>	>200° C (>392° 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>	7.9 – 8.5 S.U.	<b><u>Auto-ignition temperature:</u></b>	No information available
<b><u>Bulk Density:</u></b>	1.04 – 1.16 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>	May decompose when exposed to high temperatures releasing toxic gases ammonia and phosphorus oxides.
<b><u>Conditions to Avoid:</u></b>	High temperature. Moisture. Storage above 40°C (104°F) for extended periods is not recommended.



## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity:</b>	No data available.
<b>Acute Dermal Toxicity:</b>	No data available.
<b>Acute Inhalation Toxicity:</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>	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. Consult state and local regulations regarding the proper disposal of this material.

## 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 OCT 2017

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

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