



## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION

<b>Product Name:</b>	BiOWiSH™ Manure & Odor Treatment Beef & Dairy
<b>Mfg. Product Code / Package Size:</b>	301078 – 1 kg / 2.2 lbs. 301079 – 5 kg / 11 lbs. 301081 – 10 kg / 22 lbs.
<b>Recommended Use:</b>	Beef/Dairy lagoon applications
<b>Company:</b>	BiOWiSH Technologies, Inc.
<b>Website:</b>	<a href="http://www.biowishtech.com">www.biowishtech.com</a>
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<b>E-mail</b>	<a href="mailto:animalag@biowishtech.com">animalag@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>	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	95.0% - 99.0%
<b>Salt:</b>	8028-77-1	0.5% - 1.0%
<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.
<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>	Can be land applied or placed in a MSW registered landfill. 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 to prevent activation. Once in solution, apply or dose mixture within 24 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>	Not normally required. However, 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>	Mildly sweet, earthy odor	<b><u>Ignitability (Flash Point) ASTM D92:</u></b>	>130°C (266°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>	4.1 – 6.4 S.U.	<b><u>Auto-ignition temperature:</u></b>	No information available
<b><u>Bulk Density:</u></b>	0.67 – 0.91 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>Stability:</b>	Stable under recommended storage conditions.
<b>Incompatibility (Material to Avoid):</b>	None that are known.
<b>Hazardous Decomposition or By-Products:</b>	None that are known.
<b>Conditions to Avoid:</b>	Storage above 40°C (104°F) for extended periods is not recommended.

## SECTION 11- TOXICOLOGICAL INFORMATION

<b>Oral Toxicity:</b>	No data available.
<b>Dermal Toxicity:</b>	No data available.
<b>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.

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Non Hazardous, refer to relevant Land Waste Management Authority
<b>Special Precautions for Landfill:</b>	All material is suitable for disposal through all common means of waste disposal including normal municipal landfill. 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>	18 May 2016

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

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