



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name:	BiOWiSH® MultiBio 3P
Recommended Use:	Animal In-feed Extrusion and Pellet Applications (consult User Guide for specific applications)
Company:	BiOWiSH Technologies, Inc.
Website:	www.biowishtech.com
Address:	2724 Erie Avenue, Suite C Cincinnati, OH 45208 USA
Telephone Number:	+1 312-572-6700
Fax Number:	+1 312-572-6710
Emergency Telephone Number:	+1 312-572-6760
E-mail	animalag@biowishtech.com



SECTION 2 - HAZARD(S) IDENTIFICATION

Emergency Overview:	This product contains no substances which at their given concentration, are considered to be hazardous to humans, animals or the environment.
Classification:	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).
OSHA / GHS Label Elements:	Signal Word: None Hazard Statement(s): None
Possible Route of Entry:	Inhalation, ingestion, eyes, and skin.
Inhalation:	Inhalation of dust may cause respiratory tract irritation in some individuals.
Ingestion:	Ingestion of large quantities may cause nausea.
Skin / Eye Irritation:	Direct contact with skin or eyes may cause mild irritation in some individuals.
Section 2 Notes:	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

Ingredient:	CAS	Percent*:
Active microbial cultures (GRAS* Affirmed)	NA	0.1% - 1.0% (nominal)
Cereal food fines	NA	95.0% - 99.5%
Section 3 notes:	*Exact percentage (concentration) of composition has been withheld as a trade secret.	

*As defined by the US Food & Drug Administration (FDA), certain substances are Generally Recognized as Safe (GRAS) under the conditions of their intended use and have been recognized as safe by qualified experts.



SECTION 4 – FIRST-AID MEASURES

General:	Remove from source of exposure. If irritation or other signs of toxicity occur, seek medical attention.
Eyes:	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.
Skin:	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.
Inhalation:	Move person to fresh air. If person is not breathing, call an ambulance; then give artificial respiration.
Ingestion:	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

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



SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING AND STORAGE

Handling:	Use handling procedures that minimize exposure to the product.
Waste Disposal Method:	Follow all federal, state, and local regulations.
Storage:	Store in cool, dry location out of direct sunlight. Storage above 40°C (104°F) for extended periods is not recommended. Product is suitable for pelleting process temperature exposures. Once opened, keep dry in an airtight container to prevent activation.
Section 7 Notes:	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

General:	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.
Engineering Controls:	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:

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance: (Physical state, color)</u>	Free-flowing meal, light brown with colored flecks	<u>Solubility in Water:</u>	Insoluble in water
<u>Upper/lower flammability:</u>	No information available	<u>Initial boiling point/range:</u>	Decomposes
<u>Odor:</u>	Mildly sweet, earthy odor	<u>Ignitability (Flash Point) ASTM D92:</u>	>130°C (266°F)
<u>Vapor pressure:</u>	No information available	<u>Evaporation rate (Butyl Acetate = 1):</u>	No information available
<u>Odor threshold:</u>	No information available	<u>Flammability:</u>	Solid
<u>Vapor density:</u>	No information available	<u>Partition coefficient (n-octanol/water):</u>	No information available
<u>pH:</u>	5.4 – 6.7 S.U.	<u>Auto-ignition temperature:</u>	No information available
<u>Bulk Density:</u>	0.56 – 0.72 g/cm ³	<u>Decomposition temperature:</u>	No information available
<u>Melting/Freezing Point:</u>	No information available	<u>Viscosity:</u>	No information available



SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Oral Toxicity:	No data available.
Dermal Toxicity:	No data available.
Inhalation Toxicity:	No data available.

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information:	With regard to environmental fate and behavior this product is not expected to impose any environmental risk.
Ecotoxicity Information:	No known conditions.

SECTION 13 - DISPOSAL CONSIDERATIONS

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



SECTION 14 - TRANSPORT INFORMATION

UN Number:	None Allocated
UN Proper Shipping Name:	None Allocated
Dangerous Goods Class:	Not regulated for shipment by air or ocean freight.
Hazchem Code:	None Allocated

SECTION 15 - REGULATORY INFORMATION

Labeling According to EC Directives

Symbol:	Not Required
R-phrases:	Not Required
S-phrases:	Not Required

SECTION 16 - OTHER INFORMATION

Source of key data used to compile Safety Data Sheet:	Component supplier of Safety Data Sheets for product.
Revision Date:	18 JAN 2018

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

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