



SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Name:	BiOWiSH® Fruit & Vegetable Wash
Recommended Use:	Post-Harvest Wash for Fruit & Vegetable 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	foodtech@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)
Dextrose	50-99-7	95.0% - 99.0%
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. Once opened, keep in an airtight container to prevent activation. Once in solution, dose within 24 hours.
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>	Powder, off white color	<u>Solubility in Water:</u>	Soluble 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>	4.1 – 6.4 S.U.	<u>Auto-ignition temperature:</u>	No information available
<u>Bulk Density:</u>	0.69 – 0.86 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:	Non Hazardous, 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:	04 Oct 2017

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

The information and recommendations in this SDS are believed to be accurate. Part contents of the SDS information enclosed was provided to this company by third parties and BiOWiSH Technologies makes no warranty expressed or implied in regards to the accuracy of the data or the results contained.

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