



SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

Product Name:	BiOWiSH® Leachate
Recommended Use:	Landfill leachate applications
Company:	BiOWiSH Technologies, Inc.
Website:	www.biowishtech.com
Address:	2717 Erie Avenue, 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	wastewater@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 (Biosafety Level 1)	NA	0.1 – 1.0%
Dextrose	50-99-7	97.0 – 99.0%
Salt	8028-77-1	0.5 – 2.0%
Section 3 notes:	*Exact percentage (concentration) of composition has been withheld as a trade secret.	

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. Get medical attention if irritation develops and persists.
Skin:	Remove contaminated clothing. Thoroughly wash skin with plenty of soap and water.
Inhalation:	Move person to fresh air. If symptoms develop or persist, call a doctor. 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.
Notes:	If poisoning occurs, contact your doctor or call the Poison Control Hotline 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. Minimize dust generation and accumulation. 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 a cool, dry location out of direct sunlight. Once opened, BiOWiSH® Leachate must be kept dry in an airtight container to prevent activation. Once in solution, use within 7 days.
Section 7 Notes:	Avoid contact with skin, eyes and clothing. 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.
Personal Protective Equipment	
Respirator Type:	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

Appearance: (Physical state, color)	Powder, off-white color with tan flecks	Solubility in Water:	Soluble in water
Upper/lower flammability:	No information available	Initial boiling point/range:	No information available
Odor:	Mildly sweet, earthy odor	Ignitability (Flash Point) ASTM D92:	>127°C (>260°F)
Vapor pressure:	No information available	Evaporation rate (Butyl Acetate = 1):	No information available
Odor threshold:	No information available	Flammability:	No information available
Vapor density:	No information available	Partition coefficient (n-octanol/water):	No information available
pH:	5.0 – 7.0 S.U.	Auto-ignition temperature:	No information available
Bulk density:	0.70 – 0.90 g/cm ³	Decomposition temperature:	No information available
Melting/Freezing Point:	No information available	Viscosity:	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:	None that are known.

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 in normal usage quantities.
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

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:	26 OCT 2021

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.

The information is supplied solely for industry reference and consideration, BiOWiSH Technologies assumes no responsibility for use or reliance thereon and do request that all applications and handling of these products be conducted in a responsible manner that complies with federal, state, local laws and regulations. No freedom from infringement of any patent, copyright or trademark is to be inferred.