

Section 1: Identification

Product Name: BioOx Grow

Company: Air & Water Solutions, Inc. DBA BioOx,
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Section 2: Hazard(s) Identification

Hazard Classification: Non Hazardous

Non Flammable Non Toxic
Non oxidizer Non explosive Non Volatile
Non genetically modified Non pathogenic

Section 3: Composition / Information on Ingredients

Description: Non-pathogenic consortium of natural soil micro-organisms, used to increase soil microbial community diversity and activity.

98% water, 2% biomass

Section 4: First-Aid Measures

After skin contact:	Rinse with water
After eye contact:	Rinse with water
After inhalation:	Trace amounts, no treatment required drowning or choking: get help from lifeguard or clinical professional
After swallowing:	For small amounts, less than one cup, acts like probiotic supplements, no treatment Large amounts, consult with GI physician

Section 5: Fire-Fighting Measures

No firefighting equipment required, no special protection clothing required

Section 6: Accidental Release Measures

Personal precautions:	Wash clothes in a normal washing machine to prevent staining
Measures for environmental protection:	BioOx adds microbial diversity and activity that increases soil retention of water and the slow release of nutrients. Can be drained into a municipal sewer. Can remain in soil as a microbial supplement.
Measures for cleaning/collecting:	Shop vac, squeegee

Section 7: Handling and Storage

Handling:	Handle as with water
Storage:	Store as with water

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures:	Do not drink
Breathing equipment:	None required
Protection of hands:	Latex gloves
Eye protection:	Glasses

Section 9: Physical and Chemical Properties

Form:	Aqueous Liquid
Odor:	Can smell like sulfur when anaerobic—smell is gone when aerated
Odor threshold:	None
pH:	Approximately 7
Melting point/melting range:	N/A freezes like water 0 C
Boiling point/boiling range:	N/A boils like water 100 C
Flash point:	None
Evaporation rate:	As with water
Flammability:	None
Upper/lower flammability or explosive limits:	None
Auto ignition temperature:	None
Danger of explosion:	None
Vapor pressure:	760 mm Hg
Vapor density:	N/A
Relative density:	1.0
Solubility in/Miscibility with water:	100%

Section 10: Stability and Reactivity

Reactivity:	None
Chemical stability:	Stable as water
Incompatible materials:	None
Hazardous decomposition products:	None

Section 11: Toxicological Information

Acute toxicity:	None
Potential routes of exposure/potential health effects Skin:	None
Eye:	None, rinse with water
Inhalation:	None
Ingestion:	None
Carcinogenic effects:	None
Mutagenic effects:	None
Reproductive toxicity:	None
Sensitization:	None
Target organs:	None

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:	None—is used to detoxify soil naturally and improve plant production
Mobility:	Adds to soil organic matter
Biodegradation:	Natural, is derived from soil beneficial microorganisms and biodegrades naturally
Bioaccumulation:	None

Section 13: Disposal Considerations (non-mandatory)

May be flushed into municipal sewage systems. Packaging may be rinsed and recycled.

Section 14: Transport Information (non-mandatory)

DOT regulations:	N/A Non-hazard
Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA Class:	N/A non-hazard, safe for air transport

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances):	None
SARA Section 313 (specific toxic chemical listings):	None
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs):	None
TSCA (Toxic Substances Control Act):	None

Section 16: Other Information

SDS date of preparation/update:	November 4, 2021
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Although no hazards are described herein, we cannot guarantee that no hazards exist.