

Safety Data Sheet
BIOFLO

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer Solstice Agriculture, LLC
600 F St STE 3 #808
Arcata, CA 95521
Phone (888)420-6873
24 Hr. Emergency Phone: (888) 420-6873

Recommended use Irrigation line cleaner

Generic name Liquid microbial bio-enzyme treatment

SECTION 2: HAZARD IDENTIFICATION

Hazard	Rating	Definition
HEALTH	0	Normal Material
FIRE	0	Will Not Burn
INSTABILITY	0	Stable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS#
Water	7732-18-5
Molasses	68476-78-8
Lactic Acid Bacteria	Not classified

SECTION 4 – FIRST AID MEASURES

Skin Contact Rinse with fresh water

Eye Contact May cause eye irritation, flush with fresh water

Inhalation Move to fresh air

Ingestion Drink fresh water

SECTION 5 – FIRE-FIGHTING MEASURES

Classification of Substance or Mixture	This product is non-flammable.
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.
Fire Fighting Methods and Protection	Take same precautions as for fighting a fire with water.
Fire and/or Explosion Hazards	None
Hazardous Combustion Products	None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Refer to Section 8 – Exposure Controls and Personal Protection

In case of accidental spills

Floors	Rinse area with water, mop and dispose in sewer.
Soil	Flush area with water
Waste disposal method	Sewer disposal. Material is biodegradable, non-GMO.

SECTION 7 – HANDLING AND STORAGE

Handling Store at room temperature between (40° - 90°F). Do not freeze. Keep container closed and out of direct sunlight.

Storage Code Green - General Chemical Storage

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection	Safety glasses recommended.
Protective Gloves	Optional. Skin absorption not likely.
Respiratory Protection	None
Ventilation	None
Protective Clothing	None
Work Practices	Clean spills immediately, floor will be slippery

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Formula	Proprietary
Boiling Point	100°C
Melting Point	Not Applicable
Flash Point	None
Vapor Pressure	Not Determined
Specific Gravity (H2O=1)	1 (25°C)
Evaporation Rate	Equal to water
pH	3.0 – 5.0
Flammability Limits	Not Applicable
% Volatile by volume	0
Solubility in Water	Complete
Appearance	Brown liquid
Odor	Mild

SECTION 10 – STABILITY AND REACTIVITY

Incompatible Materials	None, non-reactive.
Chemical Stability	Stable.
Reactivity	Not reactive under normal conditions.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	None. Biodegradable, all-natural ingredients.

SECTION 11 – TOXICOLOGICAL INFORMATION

Routes of Entry	Inhalation and ingestion
Symptoms (Acute)	Coughing, abdominal discomfort (gas pains), loose stool
Displayed Effects	No long-term effects.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LD50
Water	7732-18-5	Rat 90000 mg/kg	Not listed	Not listed
Molasses	68476-78-8	Not listed	Not listed	Not listed
Lactic acid bacteria	none	Not listed	Not listed	Not listed

Chronic Exposure:

Carcinogenicity	No known carcinogenic materials in this product.
Mutagenicity	No evidence of a mutagenic effect.
Teratogenicity	No evidence of a teratogenic effect.
Sensitization	No evidence of a sensitization effect.
Reproductive	No evidence of negative reproductive effects.

Target Organ Effects:

Acute	No evidence of acute effects on organs
Chronic	No evidence of effects on the eyes

SECTION 12 – ECOLOGICAL INFORMATION

Overview	No ecological hazards known at any concentration.
Mobility	This material is expected to be moderately mobile in soils. It absorbs into most soil types.
Persistence	100% Biodegradable
Bioaccumulation	Bioaccumulation is not expected or occur.
Degradability	Biodegrades quickly.
Ecotoxicity	No Ecotoxicity data is available.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Methods Sewer disposal
Water Disposal Code This is an unregulated material.

SECTION 14 – TRANSPORT INFORMATION

UN Number Not classified as hazardous
DOT Shipping Name Not classified as hazardous
Transport Hazard Class Not classified as hazardous
Hazard Class Not classified as hazardous
Primary Hazard Label Not classified as hazardous
Subsidiary Risk Label Not classified as hazardous
WHMIS Classification Not classified as hazardous
Marine Pollutant Contains natural soil bacteria, fungi, and food-grade ingredients.
Generally considered chemically inert in the environment.

SECTION 15 – REGULATORY INFORMATION

OSHA Status Not considered hazardous by OSHA
TSCA Status Not on Toxic Substances Lists

SECTION 16 – OTHER INFORMATION

Prepared November 13, 2020