

SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

Product name: TRIOLOGIC
Distributed by: Solstice Agriculture, LLC
600 F St STE 3 #808
Arcata, CA 95521
Phone (888)420-6883
24 Hr. Emergency Phone: (888) 420-6883
Recommended use: Plant root inoculant for hydroponics and indoor use
Generic name: Liquid microbial inoculant

SECTION 2 – HAZARD IDENTIFICATION

Hazard rating:
Health: 0 Normal material
Fire: 0 Will not burn
Reactivity: 0 Stable
Ingredients: No hazardous ingredients present; not hazardous to humans, animals or plants.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: CAS#
Water: 7732-18-5
Molasses: 68476-78-8
Azotobacter vinelandii: Not classified

SECTION 4 – FIRST AID MEASURES

Skin Contact: Rinse with fresh water
Eyes: May cause eye irritation, flush with fresh water
Inhalation: Move to fresh air
Ingestion: Drink fresh water

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media: Material will not combust.
Fire Fighting Methods and Protection: Same precautions shall be taken as for fighting a fire of water.
Fire and/or Explosion Hazards: None
Hazardous Combustion Products: None

SECTION 6 – ACCIDENTAL RELEASE MEASURES

In case of accidental spills:
Floors: Mop up with water
Soil: Rinse area with water
Waste disposal method: Sewer disposal. Material is biodegradable, non-GMO, all organic ingredients

SECTION 7 – HANDLING AND STORAGE

Handling: Use container made of plastic for activation to prevent activity loss prior to use.
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/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 slick

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Formula:	Proprietary
Boiling point:	>100°C
Melting point:	N/A
Flash point:	None
Vapor pressure:	N/D
Specific Gravity (H ₂ O=1):	1 (25°C)
Evaporation rate:	Equal to water
pH:	3.2 – 5.0
Flammable limits in air:	N/A
% 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.
Other Adverse Effects: No Data.
No Eco-toxicity data 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 February 1, 2018