

## Section 1: Identification

**Product Name:** IOTA-O

**Manufacturer:** Fusion 360, Inc.

2425 Industrial Rowe

Turlock, CA 95380

**Telephone:** 209-632-0139

**Fax:** 209-632-0169

**Toll Free:** 1-888-634-F360

**Emergency Number:** 209-572-5822

[www.fusion360inc.com](http://www.fusion360inc.com)

**Primary Use:** Agricultural Nutrient

Specifically formulated for use in Organic Farm Production. For application to the soil in which are growing: Trees & Vines, Vegetable & Field Crops, Various Ornamentals, Turf and Greenhouse Plants. Iota-O may be sprayed onto the soil, injected into the irrigation water or via shanking.

## Section 2: Hazard Identification

**Classification of the mixture:** The substance is not classified according to the Globally Harmonized System (GHS), Directive 67/548/EEC or Directive 1999/45/EC. This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by the Occupational Safety Health Administration Hazardous Communication Standard 29CFR 1910.1200.

O	Health
O	Flammability
O	Reactivity
C	PPE

Route of Entry: Ingestions, Skin Contact, Inhalation
Physical Hazards: none known
Health Hazards: May cause temporary irritation.
Target Organs: Eyes, Skin, Lungs

- Irritant (skin and eye)
- Skin Sensitizer



WARNING! CAUSES IRRITATION TO EYES AND SKIN. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID DIRECTLY BREATHING VAPORS OR MIST. WASH THOROUGHLY AFTER HANDLING. USE ADEQUATE VENTILATION.

## Section 3: Composition Information on Ingredients

**Common Name and Synonym:** IOTA-O

Hazardous Components: None

Inert Ingredients..... 99%

Soluble Potash (K<sub>2</sub>O).....1.0%

## Section 4: First Aid Measures

**Routes of Entry:** If in mist form / Possible local irritation / Slight hazard

Eyes- Flush with water for 15 minutes.

Skin- Wash with soap and water.

Inhalation- Remove to fresh air.

Oral- Get medical care.

If ingested drink large amounts of water. Call emergency services if subject is unconscious, having convulsions or is unable to swallow, do not give water.

**Notes to Physician:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically.

## Section 5: Firefighting Measures

**Flash Point:** N/A - Aqueous Solution

**Flammable Limits:** LEL- N/A UEL- N/A

**Extinguishing Media:** Water Fog, Foam, Dry Chemical, CO<sub>2</sub>

**Special Fire Fighting Procedures:** None

**Personal Protective Equipment:** Standard

**Unusual Fire and Explosion Hazards:** N/A

**Hazardous Decomposition Materials (Under Fire Conditions):** N/A

## Section 6: Accidental Release Measures

Small spills should be picked up with paper towels or a mop. Large spills should be wet vacuumed or siphoned into suitable containers for disposal or reclamation.

**Waste Disposal:** Check with applicable local, state and federal laws and regulations.

## Section 7: Handling and Storage

Persons handling product should use proper protective equipment and handle with care. Containers should be stored in a cool or cold dry area to minimize product expansion and possible leakage.

## Section 8: Exposure Controls / Personal Protection

**Respirator Protection:** Not considered necessary.      **Ventilation:** Natural ventilation is usually adequate.      **Protective Gloves:** Rubber or plastic.

**Eye Protection:** Chemical goggles.      **Other Protective Clothing or Equipment:** Eye bath, shower, oxygen mask should be available.

**Work Hygienic Practices:** Wash hands and clothing after handling product.

## Section 9: Physical and Chemical Properties

Appearance: Light / Dark Tan	Solubility(ies): (In Water) Miscible
Upper/Lower Flammability: N/A	Initial boiling point and boiling range: information not available
Odor: Yeasty Odor	Partition coefficienton-octanol / water: information not available
Vapor Pressure: information not available	Flash Point: information not available
Odor Threshold: information not available	Auto-Ignition temperature: information not available
Vapor density: information not available	Evaporation rate: information not available
pH: 4.0	Decomposition temperature: information not available
Relative Density: information not available	Flammability (solid or gas): Not determined
Melting Point / Freezing Point: information not available	Viscosity: information not available

## Section 10: Stability and Reactivity

**Chemical Stability:** Stable

**Incompatibility:** Strong oxidizers and Alkali will inactivate

**Hazardous Polymerization:** N/A

**High Temperatures > 100 F** will inactivate biological cultures.

## Section 11: Toxicological Information

**Potential Health Effects:** (oral, dermal or inhalation) have been determined, the product may cause slight dermal effects to persons with sensitive skin.

Possible skin reddening if not washed off affected area, possible stomach disorders if taken orally, lung congestion if breathed.

**Chronic Effects:** None known

**Carcinogenicity:** Materials in this product are not considered carcinogens or teratogens.

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