

# Safety Data Sheet

## 1. Product and Company Identification

**Product Identifier:** BIO 520 - Organic Liquid Plant Food - Indoor/Outdoor Soil Amendment, 16 Fl Oz Makes 125 Gal, OMRI. Ideal for Hydroponics, Agriculture, Houseplants & Outdoor Gardens, Foliar or Watering Made in the USA  
**General Use:** Commonly used in plant cultivation, To stimulate healthy plant growth.  
**Product Description:** CONCENTRATE LIQUID MINERAL NUTRIENTS

|                                                                          |                            |
|--------------------------------------------------------------------------|----------------------------|
| <b>Manufacturer:</b>                                                     | <b>Emergency Telephone</b> |
| Beyond Green, Inc.                                                       | CHEMTREC                   |
| 3301 W. MacArthur Blvd.                                                  | 800-424-9300               |
| Santa Ana, CA 92704 - USA                                                | INTERNATIONAL              |
| 949-333-3800, <a href="mailto:info@bg-bio520.com">info@bg-bio520.com</a> | +1 703-527-3887            |

## 2. Hazards Identification

**Classification:** HAZARDO US PROPERTY: Not Hazardous

**Signal Word:** None

**Hazard Statement:** Harmless if ingested, inhaled or in skin and eye contact.

|                                      |                |                                                                         |
|--------------------------------------|----------------|-------------------------------------------------------------------------|
| <b>ENVIRONMENTAL EFFECTS:</b>        | Safe           | No impact on environment, animals, birds, insects or aquatic life.      |
| <b>PHYSICAL AND CHEMICAL HAZARD:</b> | No hazard.     | Equivalent to U.S. FDA GRAS categorization (Generally Regarded as Safe) |
| <b>CHEMICAL MATERIAL CATEGORIES:</b> | Not applicable | No chemicals in product.                                                |

## 3. Composition/Information on Ingredients

| Ingredients | CAS No.    | Weight % |
|-------------|------------|----------|
| H2O         | 7732-18-5  | 99.50%   |
| SiO2        | 7631-86-9  | 0.43%    |
| Fe2O3       | 76774-74-8 | 0.02%    |
| Na2O        | 1313-59-3  | 0.02%    |
| CaO         | 1305-78-8  | 0.01%    |
| K2O         | 12136-45-7 | 0.01%    |
| MgO         | 1309-48-4  | 0.01%    |

## 4. First Aid Measures

**Eye Contact:** Harmless. Flush eyes with clean water. If irritation persists, contact a physician.

**Skin Contact:** Harmless. Wash with soap and water. If irritation persists, contact a physician.

**Inhalation:** Harmless. Move to fresh air. If symptoms persist, get medical attention.

**Ingestion:** Harmless. Contact a physician if ingested.

## 5. Fire Fighting Measures

**Extinguishing Media:** No special instruction necessary. The product is incombustible.

**Special Fire Fighting Procedures:** None required.  
No special fire-fighting instructions. The product does not burn. Releases no harmful gases.

## 6. Accidental Release Measures

**HUMAN CONSIDERATION:** None.

**ENVIRONMENTAL CONSIDERATION:** None. Can be harmlessly released into river, sea, lake, municipal or natural water drainage if not combined with other products such as other chemicals, Oils. Product itself is used in hatcheries to help fish with algae and growth on fish species.

**REMOVAL MEASURES:** Product is designed for dilution at 1,000 to 1 in water. If accidentally released in undiluted form simply wash away with water.

## 7. Handling and Storage

**Handling Precautions:** No special handling or safety requirements are applicable.

**Storage Precautions:** Room temperature away from UV light.

**General:** Keep Containers Closed after opening. Shelf Life: 5 years in sealed packages container.

## 8. Exposure Controls/Personal Protection

**EXPOSURE MEASUREMENT:** Not applicable

**DENSITY CONTROL:** Not applicable

## 9. Physical/Chemical Characteristics

**Appearance:** Harmless clear liquid  
**FORM:** Liquid  
**Odor:** Odorless  
**pH:** N/A  
**Melting Point/Freezing Point:** 32° F (0° C)  
**Initial Boiling Point and Range:** 212° F (100° C)  
**Flash Point:** None **Method:** Not available.  
**Conditions of Flammability:** Non-flammable.  
**Solubility in Water:** Soluble  
**VOC (g/L):** 0

## 10. Stability and Reactivity Data

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>General:</b>                  | This is a stable Inert material |
| <b>Conditions of Reactivity:</b> | None.                           |
| <b>Incompatible Materials:</b>   | None.                           |
| <b>Conditions to Avoid:</b>      | None.                           |
| <b>Hazardous Decomposition:</b>  | Not established.                |
| <b>Hazardous Polymerization:</b> | Will not occur.                 |

## 11. Toxicological Data

**Acute toxicity:** Rat Oral Test: Not applicable. Harmless, non-toxic  
**Reproduction Toxicity:** Not available  
**Teratogenicity:** Not available  
**Mutagenicity:** Not available  
**Synergistic Products:** Not available  
**BIODEGRADIATION:** None  
**FISH TOXICITY:** None  
**DAPHNIA TOXICITY:** None  
**ALGAE TOXICITY:** None  
**BACTERIA TOXICITY:** None  
**CHEMICAL CONTENT:** None. Product is composed of harmless natural minerals.

## 12. Ecological Data

Product provides plant nutrition, improves plant yield and eliminates chemical accumulation in food crops.

## 13. Disposal Considerations

**Waste Disposal Method:** No special considerations. Dispose of in a manner consistent with national and local regulations observing all federal, state and local regulations.

## 14. Transport Information

**D.O.T. (Department of Transportation):**  
**Proper Shipping Name:** Non-hazardous liquid  
**Hazard Class:** Not regulated  
**Transportation safety precautions:** HS Code. 3104.90.0100. No special considerations, except for liquid nature of the product. Follow SECTION 7  
**Identification Number:** Not applicable  
**HANDLING CONSIDERATION:** Ensure no leakage from the containers.

## 15. Regulatory Information

Not applicable. Considered GRAS under U.S. FDA categorization (Generally Regarded as Safe)

## 16. OTHER INFORMATION:

This information is based on our present state of knowledge and is intended to describe our product with respect to possible safety demands. We provide no guarantee of properties or description of qualities.

Prepared by: S. Kassem  
Approval Date: 11/13/2023

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