# MATERIAL SAFETY DATA SHEET

## The Enricher

TNB Naturals Inc.

## MSDS DATE: 01 /01 /2024

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME: The Enricher**
**PRODUCT CODES: 9685991519**

**MANUFACTURER: TNB Naturals**
**ADDRESS: 2440 14th Ave. #5 Vernon , BC Canada V1T 4K7**

**TELEPHONE NUMBER: 1-888-543-8988**
**EMERGENCY PHONE: 1-888-543-8988**
**CHEMTREC PHONE: N/A**
**FAX PHONE: 778-442-0517**

**PRODUCT USE: Indoor and outdoor garden; Natural plant booster; Corrective Supplement PREPARED BY: TNB Naturals**

**SECTION 1 NOTES: All natural ingredients**

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

**INGREDIENTS:** **Magnesium (II) Sulfate Heptahydrate, Citric Acid Anhydrous**

| % WT | % VOL | | |
|---|---|---|---|
| | | ppm | mg/m3 |

**SECTION 2 NOTES: Not a food product; non-chemical; pressure of 1200 ppm after warm water is added to the product**

SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: May cause respiratory tract, digestive tract, eye and skin burns**

**ROUTES OF ENTRY: Container opening**

**POTENTIAL HEALTH EFFECTS**

**EYES: Corrosive to eyes. May cause burns, watering and redness.**

**SKIN: Corrosive to the skin. May cause burns, redness, blistering.**

**INGESTION: Corrosive to the digestive tract. May cause burning.**

**INHALATION: Corrosive to the respiratory system. May cause coughing.**

**ACUTE HEALTH HAZARDS: May cause burns or irritation.**

**CHRONIC HEALTH HAZARDS: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.**

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No medical conditions have been reported to be aggravated by the exposure of this product.**

**SECTION 3 NOTES: Seek medical attention from a doctor if you feel the product is causing any irritation or discomfort to your health.**

**SECTION 4: FIRST AID MEASURES**

**EYES: Immediately flush eye(s) with plenty of water and get medical attention as soon as possible.**

**SKIN: Immediately flush skin with plenty of water of for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.**

**INGESTION: Wash out mouth with water. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.**

**INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.**

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.**

**SECTION 4 NOTES: Seek medical attention from a doctor if you feel the product is causing any irritation or damage to your health.**

SECTION 5: FIREFIGHTING MEASURES

**METHOD USED: Water spray, fire extinguisher, dry chemical powder or appropriate foam**

**SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.**

**UNUSUAL FIRE AND EXPLOSION HAZARDS: May emit toxic fumes under fire conditions**

**SECTION 5 NOTES: Do not use water jet. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.**

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.**

**Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product was caused environmental pollution.**

**SECTION 6 NOTES: Move containers from spill area. Neutralize with soda ash or sodium bicarbonate. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.**

**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE: Put on appropriate personal protective equipment (gloves, face mask etc.). Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Users should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not breathe dust. Do not ingest. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep the original container or an approved alternative made from compatible material; keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.**

**Store in accordance with local regulations. Store in segregated and approved areas. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.**

**OTHER PRECAUTIONS: Dispose of in accordance with national and local waste regulations and recycling programs**

**SECTION 7 NOTES: Store in a cool, dry place (2-30°C) in original sealed containers away from heat sources.**

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.**

**Personal Protection: Safety glasses. Lab coat. Gloves (impervious). Dust respirator. Be sure to use an approved/certified respirator or equivalent. The dust respirator should be used for conditions where exposure has exceeded recommended exposure limits, dust is apparent, and engineering controls (adequate ventilation) are not feasible.**

**Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.**

**Exposure Limits: No exposure guidelines have been established. ACGIH, NIOSH and OSHA have not developed exposure limits for this product. The exposure limits given below are for particulates not otherwise classified: ACGIH: 10 mg/m3 TWA (Total Inhalable fraction); 3 mg/m3 TWA (Respirable fraction) OSHA: 15 mg/m3 TWA (Total dust); 5 mg/m3 TWA (Respirable Fraction)**

**VENTILATION: Well circulated ventilation is recommended.**

**RESPIRATORY PROTECTION: If necessary use a properly fitted air-fed respirator complying with an approved standard.**

**EYE PROTECTION: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If operating conditions cause high dust concentration to be produced, use dust goggles.**

**SKIN PROTECTION: Clothing, Impervious gloves, and gardening gloves**

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE: White granulated substance, crystalline powder**

**ODOR: Odorless**

**PHYSICAL STATE: Solid**

**pH (Other): neutral to slightly acidic**
**BOILING POINT: Decomposes**
**F:**
**C:**
**MELTING POINT:**
**F:**
**C: 153 °C (307.4 °F)**
**FREEZING POINT: N/A**
**F:**
**C:**
**VAPOR PRESSURE (mmHg):**
**@**
**F: No data available**
**C:**
**VAPOR DENSITY (AIR = 1):**
**@**
**F: No data available**
**C:**
**SPECIFIC GRAVITY (H2O = 1):**
**@**
**F: No data available**
**C:**
**EVAPORATION RATE: No data available**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)**

**SOLUBILITY IN WATER: Normal water solubility of monosaccharides, saccharomyces cerevisiae**

**PERCENT SOLIDS BY WEIGHT: 100**

**PERCENT VOLATILE:**
**BY WT/ BY VOL @ No data available for monosaccharides, saccharomyces cerevisiae**
**F:**
**C:**
**VOLATILE ORGANIC COMPOUNDS (VOC): No data available for monosaccharides, saccharomyces cerevisiae**

**WITH WATER: LBS/GAL**
**WITHOUT WATER: LBS/GAL**

**MOLECULAR WEIGHT: No data available for monosaccharides, saccharomyces cerevisiae VISCOSITY:**
**@**
**F:**
**C:**

**SECTION 9 NOTES:**

**SECTION 10: STABILITY AND REACTIVITY**

**STABLE** **UNSTABLE**

**STABILITY: Product is stable**

**CONDITIONS TO AVOID (STABILITY): Extreme heat or ignition of flames**

**INCOMPATIBILITY (MATERIAL TO AVOID): Copper, zinc, aluminum and their alloys, oxidizing agents, reducing agents.**

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.**

**HAZARDOUS POLYMERIZATION: will not occur.**

**SECTION 10 NOTES:**

## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION: No data**

**SECTION 11 NOTES:**

## SECTION 12: ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION: readily biodegradable**

**SECTION 12 NOTES:**

## SECTION 13:DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD: the generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Disposal of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with outdoor soil, waterways, drains and sewers.**

**Waste and empty packaging must be disposed of in accordance with federal, provincial and municipal environmental control regulations.**

## SECTION 14: TRANSPORT INFORMATION

**FURTHER INFORMATION: Not classified as dangerous in the meaning of transport regulations. The product does not need to be labelled in accordance with EC directives or respective national laws.**

**U.S. DEPARTMENT OF TRANSPORTATION**
**PROPER SHIPPING NAME:**
**HAZARD CLASS:**
**ID NUMBER:**
**PACKING GROUP:**
**LABEL STATEMENT:**

**WATER TRANSPORTATION**
**PROPER SHIPPING NAME:**
**HAZARD CLASS:**
**ID NUMBER:**
**PACKING GROUP:**
**LABEL STATEMENTS:**

**AIR TRANSPORTATION**
**PROPER SHIPPING NAME:**
**HAZARD CLASS:**
**ID NUMBER:**
**PACKING GROUP:**
**LABEL STATEMENTS:**

**OTHER AGENCIES:**

**SECTION 14 NOTES: Not classified as dangerous in the meaning of transport regulations.**

## SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS**
**TSCA (TOXIC SUBSTANCE CONTROL ACT):**

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**311/312 HAZARD CATEGORIES:**

**313 REPORTABLE INGREDIENTS:**

**STATE REGULATIONS:**

**WHMIS (CANADA): All ingredients are listed or exempted**

**INTERNATIONAL REGULATIONS:**

**SECTION 15 NOTES:**

## SECTION 16: OTHER INFORMATION

**OTHER INFORMATION: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.**

**PREPARATION INFORMATION:**

**DISCLAIMER: To the best of our knowledge, the information contained herein is accurate. However, neither the above-named producer, supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**