

SAFETY DATA SHEET

Section 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE OF THE COMPANY / UNDERTAKING

Product name: MARPHYL Marine Phytoplankton CAL-MAG Plant Food

Botanical source: Marine Phytoplankton

Country of Origin: Canada

Manufacturer/ Distributor: The MARPHYL Marine Phytoplankton Company Inc, #56104 - 915 E Cordova St, Vancouver, BC V6A 4B8

Recommended use: Households plants, urban gardens, lawns, golf courses, nurseries, green houses.

Product description: 100% natural Organic fertilizer/Soil Enhancer, Give growth and health to your plants, no smell, good for indoor and outdoor

Telephone number / Emergency telephone number : +1 6047153185

Email of the responsible person: Info@marphyl.com

Section 2: HAZARD IDENTIFICATION

Classification of the substance or mixture - CLP Regulation (EC) No 1272/2008: N/A

GHS Label Elements - CLP Regulation (EC) No 1272/2008: N/A, product is not a chemical and is non hazardous

Hazard statement(s): Non Hazardous

Pictograms (the pictograms or hazard symbols may be presented as graphical reproductions of the symbols in black and white or be a description of the name of the symbol (e.g., skull and crossbones, flame): N/A

Precautionary statement(s): Keep out of reach of children. Avoid contact with skin and eyes. Not for human consumption.

Description of any hazards not otherwise classified: N/A

For a mixture that contains an ingredient(s) with unknown toxicity, a statement describing how much (percentage) of the mixture consists of ingredient(s) with unknown acute toxicity. Please note that this is a total percentage of the mixture and not tied to the individual ingredient(s):N/A

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

Chemical names: *Calcium, Magnesium, Phosphorus, Potassium, Nitrogen, Boron, Iron*

Common names: *Calcium, Magnesium, Phosphorus, Potassium, Boron, Iron*

Chemical Abstracts Service (CAS) # or Identifiers: N/A

Chemical Percentages: *Calcium 0.236%, Magnesium 0.149%, Phosphorus 0.00096%, Nitrogen 0.19%, Potassium 0.0314%, Boron 0.00053%, Iron 0.00042%*

Mixtures:

Chemical names: *Calcium, Magnesium, Nitrogen, Phosphorus, Potassium, Boron, Iron*

The chemical name and concentration (i.e., exact percentage) of all ingredients which are classified as health hazards and are:

- **Present above their cut-off/concentration limits or:** N/A
- **Present a health risk below the cut-off/concentration limits:** N/A

Pesticides: BHC, DDT, PCNB have not been detected

Fungicide: Not detected

Section 4: FIRST-AID MEASURES

Inhalation: May cause mucus irritation -> If inhaled, removed to fresh air. If not breathing, give artificial respiration (CPR)

Skin Contact: May cause irritation -> Rinse with fresh water

Eye Contact: May cause irritation resulting in redness -> Flush/rinse eyes with plenty of fresh water.

Ingestion: If large amounts of product ingested -> Induce vomiting, keep head below hips to prevent aspiration of the liquid into the lungs.

Note: treatment based on sound judgement of physician and individual reactions of patient.

Keep out of children and pets.

Section 5: FIRE-FIGHTING MEASURES

Small fire: N/A

Large fire: N/A

Unsuitable Extinguishing Media: N/A

Other Hazardous Information: This is an all natural organic ingredient that does not contribute or create any hazardous conditions.

Section 6: ACCIDENTAL RELEASE MEASURES

This is an all natural organic liquid. If spilled clean up with water and soap or cleaning substance that you have on hand at your premises.

Section 7: HANDLING AND STORAGE

Keep liquid sealed in a dry, cool environment away from heat and direct sunlight.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This section indicates the exposure limits, engineering controls, and personal protective measures that can be used to minimize worker exposure. The required information consists of:

- OSHA Permissible Exposure Limits (PELs), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs), and any other exposure limit

used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available. **N/A**

- Appropriate engineering controls (e.g., use local exhaust ventilation, or use only in an enclosed system). **N/A**
- Recommendations for personal protective measures to prevent illness or injury from exposure to chemicals, such as personal protective equipment (PPE) (e.g., appropriate types of eye, face, skin or respiratory protection needed based on hazards and potential exposure). **N/A**
- Any special requirements for PPE, protective clothing or respirators (e.g., type of glove material, such as PVC or nitrile rubber gloves; and breakthrough time of the glove material). **N/A**

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green Liquid

Odor: Mild Marine

Solubility: Very Soluble

Melting Point: N/A

Boiling Point: 100 degrees Celcius

Flash Point: N/A

Evaporation rate: N/A

Flammability : N/A

Vapor pressure: N/A

Decomposition temperature : N/A

Section 10: STABILITY AND REACTIVITY

Reactivity: No data

Chemical Stability: No data

Possibility of Hazardous Reactions: N/A

Conditions to Avoid: N/A

Materials to Avoid: N/A

Hazardous Decomposition Products: N/A

Section 11: TOXICOLOGICAL INFORMATION

This section identifies toxicological and health effects information or indicates that such data are not available. The required information consists of:

- Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact). The SDS should indicate if the information is unknown. **During regular use of the Liquid, by mistake it can be inhaled, ingested or come in contact with skin or eyes, if this is the case, follow the recommendation mentioned in section 4.**
- Description of the delayed, immediate, or chronic effects from short and long-term exposure. **N/A**

- The numerical measures of toxicity (e.g., acute toxicity estimates such as the LD50 (median lethal dose)) - the estimated amount [of a substance] expected to kill 50% of test animals in a single dose. **Non-Lethal**
- Description of the symptoms. This description includes the symptoms associated with exposure to the chemical including symptoms from the lowest to the most severe exposure. **N/A**
- Indication of whether the chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA. **N/A**

Section 12: ECOLOGICAL INFORMATION

This section provides information to evaluate the environmental impact of the chemical(s) if it were released to the environment. The information may include:

- Data from toxicity tests performed on aquatic and/or terrestrial organisms, where available (e.g., acute or chronic aquatic toxicity data for fish, algae, crustaceans, and other plants; toxicity data on birds, bees, plants). **Non Toxic**
- Whether there is a potential for the chemical to persist and degrade in the environment either through biodegradation or other processes, such as oxidation or hydrolysis. **Non persistent and Do not degrade the environment**
- Results of tests of bioaccumulation potential, making reference to the octanol-water partition coefficient (Kow) and the bioconcentration factor (BCF), where available. **N/A**
- The potential for a substance to move from the soil to the groundwater (indicate results from adsorption studies or leaching studies). **N/A**
- Other adverse effects (e.g., environmental fate, ozone layer depletion potential, photochemical ozone creation potential, endocrine disrupting potential, and/or global warming potential). **N/A**

Section 13: DISPOSAL CONSIDERATIONS

This section provides guidance on proper disposal practices, recycling or reclamation of the chemical(s) or its container, and safe handling practices. To minimize exposure, this section should also refer the reader to Section 8 (Exposure Controls/Personal Protection) of the SDS. The information may include:

- Appropriate disposal containers to use: **Always try to find a regular recycling bin to recycle the plastic bottle.**
- Recommendations of appropriate disposal methods to employ: **N/A**
- Description of the physical and chemical properties that may affect disposal activities: **N/A**
- Language discouraging sewage disposal: **N/A**
- Any special precautions for landfills or incineration activities: **N/A**

Section 14: TRANSPORT INFORMATION

- UN number : **VOID, Our product is a 100% Natural Organic Soil Enhancer**
- UN proper shipping name¹. **VOID, Our product is non hazardous, non dangerous, non toxic**
- Transport hazard class(es)¹. **VOID, Our product is non hazardous, non dangerous, non toxic**
- **Packing group number**, if applicable, based on the degree of hazard²: **VOID Our product is non hazardous, non dangerous, non toxic**
- Marine pollutant: **NO**
- Guidance on transport in bulk (according to Annex II of MARPOL 73/78³ and the International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code (IBC Code))). **No Special Guidance our product is completely harmless and free of any chemicals**
- Any special precautions which an employee should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (indicate when information is not available). **No Special precautions, our product completely harmless and free of any chemicals**

Section 15: REGULATORY INFORMATION

Regulated under the Canadian food inspection agency

Product name: Marine Phytoplankton Liquid Organic Fertilizer/ Soil Enhancer

File Number: 46824IQ

Section 16: OTHER INFORMATION

This SDS was prepared on Mar 23 2025