

SAFETY DATA SHEET

Organical Magic

SECTION 1: IDENTIFICATION OF SUBSTANCE / MIXTURE

Product name: Organical Magic
Fertilizer formula: 3% Calcium, 1% Magnesium
Product type: Liquid
Product usage: Hydroponics
Restrictions on use: n/a
Initial Supplier: Future Harvest Plantlife Products
Emergency Telephone Number: 250-491-0255

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Acute Oral Toxicity - Category 4
Skin corrosion/irritation - Category 3
Eye Irritation - Category 2A

2.2 Label elements

SIGNAL WORD: WARNING



Hazard Statement(s):

H302 Harmful if swallowed.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

Response:

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 Rinse mouth.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

SECTION 3: COMPOSITION / IDENTIFICATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration | Other Names |
|--------------------|------------|---------------|-------------|
| Calcium Chloride | 10043-52-4 | 10 - 20% | |
| Magnesium Chloride | 7791-18-6 | 2 - 8% | |

Note: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in section 8.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention if irritation occurs.

Inhalation: Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting. If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Dusts may cause coughing and sneezing. Ingestion of large quantities may cause gastrointestinal irritation, vomiting and diarrhea.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Not combustible, however, if material is involved in a fire use: Extinguishing media appropriate to surrounding fire conditions..

5.2 Special hazards arising from the substance or mixture

Non-combustible material.

5.3 Advice for firefighters

Decomposes on heating emitting toxic fumes, including those oxides of calcium, magnesium. Hydrogen chloride and / or chlorine gas may be released during a fire. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and cleaning up

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 13 for additional waste treatment information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Minimize dust generation and accumulation. Do not breathe vapour. Avoid contact with skin and eyes. Wash thoroughly after handling.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating,

drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

7.2 Conditions for safe storage, including any incompatibilities

Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with combustible materials. Prevent moisture pick-up in handling and storage. Packaging materials recommended: Use original container.

7.3 Specific use(s):

Not available

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Not applicable

8.2 Appropriate engineering controls General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary to control amount in the air.

8.3 Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin protection Hand protection: Chemical resistant gloves

Other: Wear suitable protective clothing.

Respiratory protection: In case of inadequate ventilation, use respiratory protection.

Hygiene measures: Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Light Brown Liquid

Odour: Distinctive

Odour threshold: Unknown

pH: Unknown

Initial boiling point/boiling range: > 100°C

Flash point: Not applicable

Evaporation rate: Not volatile (butyl acetate=1)

Flammability: Not flammable

Upper/lower flammability or explosive limits:

Vapor pressure: 4.5×10^{-15} Pa at 25°C- Not Volatile

Vapor density: Not volatile Relative Density: 1.0 at $25.1 \pm 0.5^\circ\text{C}$ (water=1)

Solubility(ies):

Water solubility- Miscible

Partition coefficient Octanol/Water: The product is more soluble in water;

$\log(\text{octanol/water}) < 1$

Auto-ignition temperature: Not applicable

Decomposition temperature: Not available

Viscosity: Not viscous

Explosive properties: Not explosive

Oxidizing properties: Not oxidizer

9.2 Other information

Melting point/Freezing point: $< 0^\circ\text{C}$

VOC: Not an organic compound

Specific Gravity: Unknown

Miscibility: Miscible

Fat solubility: Not applicable

Gas group: Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No information available

10.2 Chemical stability

The product is stable under normal handling and storage conditions described in Section 7. Reacts with acids and alkalis.

10.3 Possibility of hazardous reactions

Hazardous reactions are not expected, under normal conditions of storage and use.

10.4 Conditions to avoid

Do not allow product to dry out.

10.5 Incompatible materials

Incompatible with organic chemicals, ammonia.

10.6 Hazardous decomposition products

Oxides of nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Ingestion: Irritating. May cause nausea, stomach pain and vomiting.

Inhalation: May cause irritation to the respiratory system.

Skin contact: Causes mild skin irritation.

Eye contact: Causes eye irritation.

11.2 Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: LD 50:

Magnesium Chloride 8100 mg/kg [Rat].

Calcium Chloride 1000 mg/kg (Rat)

Chronic effects: No information available for the product.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Magnesium Chloride 96hr LC50 (fish): 1970-3880 mg/L (Lepomis macrochirus)

Calcium Chloride LC50 (fish): 8350 - 10650 mg/l (Lepomis macrochirus)

12.2 Persistence and Degradability

Not applicable, since inorganic substance.

12.3 Bioaccumulative potential

The potential for bioaccumulation consider to be minimal.

12.4 Mobility in soil

Soil/water partition coefficient (Koc): N/A
Mobility: Soluble in water.

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Substances which have an unfavorable influence on the oxygen balance and can be measured using parameters such as BOD, COD, etc.: Absent

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Waste must be disposed of in accordance with federal, state, provincial and local environmental control regulations.

Packing: Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: TRANSPORT INFORMATION

Canadian TDG Not Dangerous Goods
US DOT Not Dangerous Goods

SECTION 15: REGULATORY INFORMATION

Classification:

Classification of the chemical:

Acute Oral Toxicity - Category 4

Skin corrosion/irritation - Category 3

Eye Irritation - Category 2A

Hazard Statement(s):

H302 Harmful if swallowed.

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

Poisons Schedule (SUSMP): None allocated.

SECTION 16: OTHER INFORMATION

Date of issue: February 21, 2019

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