

# Material Safety Data Sheet

## MotherPlant® A

Product Name: MotherPlant® A Nutrient Solution for plants

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### **Identification:**

Product Name: MotherPlant® Part A

Product Use: Concentrated solution of mineral nutrients and botanical extracts for plants.

Ingredients: The chemical identity of the compound and exact proportions used in the mixture are a trade secret; however, they include calcium nitrate and Iron DPTA.

### **HAZARDS IDENTIFICATION**

**CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT  
MAY BE HARMFUL IF SWALLOWED**

#### Potential Health Effects

**Primary Entry Routes:** Ingestion, inhalation, and skin contact.

**Target Organs:** Gastrointestinal system, blood system, skin, mucous membranes

**Ingestion:** Ingestion can result in gastrointestinal distress, with abdominal pain, lethargy, nausea, vomiting, diarrhea, blood chemistry effects, cardiac effects, and central nervous system effects.

**Eye:** May cause irritation, redness, and pain.

**Skin:** Irritation.

**Inhalation:** Irritation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list as a carcinogen.

**Medical Conditions Aggravated by Long-term Exposure:** Unknown

**Chronic Effects:** Repeated or prolonged exposure to some ingredients can produce target organ damage.

**Other:** None

#### First Aid Measures

<b>Ingestion:</b>	Give several glasses of water for dilution, and encourage vomiting. If symptoms persist seek medical attention.
<b>Eye Contact:</b>	Do not allow victim to rub or keep eyes tightly shut. Remove contact lenses then gently lift eyelids and flush immediately and continuously with flooding amounts of water for at least 15 minutes. Consult a physician or ophthalmologist if pain or irritation develops.
<b>Skin Contact:</b>	Wash exposed area with soap and water. For reddened or blistered skin, consult a physician.
<b>Inhalation:</b>	Remove exposed person to fresh air and support breathing, if necessary. Consult a physician as soon as possible.

### **Fire and Explosion Data**

<b>Flash Point:</b>	Unknown
<b>Auto-Ignition Temperature:</b>	Unknown
<b>LEL:</b>	Unknown
<b>Flammability classification:</b>	Mother Plant® A is not combustible.
<b>Burning Rate:</b>	Mother Plant® A is not combustible.
<b>Extinguishing Media:</b>	Use dry chemical, carbon dioxide, water spray, fog, or foam for extinguishing surrounding fire.
<b>Unusual Fire or Explosion Hazards:</b>	Container may explode in heat of fire.
<b>Hazardous Combustion Products:</b>	None
<b>Fire Fighting Instructions:</b>	Keep fire exposed containers cool with water spray. Remove containers from the fire area, if it can be done safely. Do not release run-off from fire control methods to sewers or waterways.
<b>Fire Fighting Equipment:</b>	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece.

### **Accidental Release Measures**

<b>Spill/Leak Procedures:</b>	Wipe up with absorbent towels or mop.
<b>Regulatory Requirements:</b>	Follow applicable OSHA regulations (29 CFR 1910.120).

### **Handling and Storage**

<b>Handling Precautions:</b>	Avoid ingestion, skin contact, eye contact, and inhalation
<b>Storage Requirements:</b>	Keep in tightly closed containers stored in a cool, dry ventilated area.

### **Exposure Controls/ Personal Protection**

<b>Engineering Controls:</b>	Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.
<b>Administrative Controls:</b>	Avoid breathing mist.
<b>Respiratory Protection:</b>	If this product is used as directed, respiratory protection is not required.
<b>Eye Protection:</b>	When handling MotherPlant ® A protective eyewear goggles should be worn per OSHA regulations (29 CFR 1910.134). Contact lenses pose a special hazard. Soft lenses may absorb irritants, and all contact lenses concentrate irritants. Particles may adhere to contact lenses and cause corneal damage.
<b>Protective Clothing:</b>	Wear, when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.
<b>Safety Stations:</b>	Eye wash stations, quick drench showers, and washing facilities should be readily accessible to workers handling large quantities of MotherPlant® A.
<b>Contaminated Equipment:</b>	Remove this material from shoes and equipment. Launder contaminated clothing before wearing.

### Physical and Chemical Properties

<b>Appearance:</b>	Yellowish to brown liquid
<b>Odor:</b>	Slightly musty
<b>pH:</b>	3.6
<b>Solubility:</b>	Fully soluble
<b>Stability and Reactivity:</b>	Avoid temperature extremes
<b>Health Effects:</b>	Due to low pH and concentrated mineral salts, some people may suffer irritation from exposure to skin/eyes or through ingestion
<b>Disposal Considerations:</b>	Follow Federal, State, and local regulations
<b>Transport Information:</b>	Not Regulated
<b>Regulatory Info:</b>	EPA regulations not listed.