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**PLANT MARVEL LABORATORIES, INC.**  
**CHICAGO HEIGHTS, ILLINOIS**  
**MATERIAL SAFETY DATA SHEET**

**PRODUCT NAME: NUTRICULTURE® WATER SOLUBLE FERTILIZERS**

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**SECTION I PRODUCT INFORMATION**

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Chemical Family:	Inorganic Salts	<b>TELEPHONE NUMBERS:</b>	
Manufacturer :	Plant Marvel Labs, Inc.	<b>Product Information:</b>	<b>708-757-7500</b>
	371 E. 16th Street	<b>Transportation Emergency:</b>	<b>800-535-5053</b>
	Chicago Heights, IL 60411	<b>Medical Emergency:</b>	<b>800-752-7869</b>
Formula:	<b>All Grades Soluble Fertilizers</b>		

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**SECTION II HAZARDOUS INGREDIENTS**

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Does product contain hazardous Ingredients?	<b>NO</b>		
Ingredients	CAS#	Ingredients	CAS#
Ammoniated Phosphate	7722-76-1	Copper EDTA	14025-15-1
Potassium Nitrate	7757-79-1	Manganese EDTA	55448-20-9
Urea	57-13-6	Sodium Borate	11130-12-4
Sodium Ferric EDTA	15708-41-5	Sodium Molybdate	7637-95-0
Zinc	15954-98-0		

Does product contain carcinogens? (NTP/IARC/ORC) **NO**

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**SECTION III HEALTH HAZARD DATA**

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**Effects of Overexposure:**

Eye Contact: Irritation to eyes.

Skin Contact: May cause mild irritation to skin.

Inhalation: Inhalation causes coughing and irritation of nose, throat and mucous membranes.

Ingestion: Harmful if swallowed.

**EMERGENCY FIRST AID PROCEDURES, QUICKLY FOLLOW PROCEDURES BELOW:**

**EYES** - Flush eyes immediately with water for at least 15 minutes. Remove any contact lenses, then hold eyelids open and flush eyes thoroughly with water. Call a physician immediately.

**SKIN CONTACT** - Flush area with water while removing contaminated clothing and shoes. Follow by washing with soap and water. Do not reuse clothing or shoes until cleaned. If irritation persists, get medical attention.

**INGESTION** - Drink a quart of water. Contact a physician.

**INHALATION** - Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician immediately.

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**SECTION IV CHEMICAL DATA**

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Boiling Point:	N/A	Specific Gravity (Water = 1)	N/A
Vapor Pressure (MMHG)	N/A	Evap Rate (B Acetate = 1)	N/A
Vapor Density (air=1)	N/A	Solubility in Water At 20 c. up to 700 g/l ml H <sub>2</sub> O	
Appearance and Odor Information:		White crystals with no odor.	

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**SECTION V PHYSICAL HAZARD DATA**

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Flash Point: None (TCC); Flammable Limits - LEL: N/A; UEL: N/A

Extinguishing Media: Non-flammable.

**SPECIAL FIRE FIGHTING PROCEDURES: Evacuate area of unprotected personnel. Wear protective fire fighting clothing and self-contained NIOSH-Approved breathing apparatus.**

**UNUSUAL FIRE AND EXPLOSION HAZARDS: Noxious fumes may form.**

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**SECTION VI REACTIVITY DATA**

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Incompatibility (Materials to Avoid):	None
Hazardous Decomposition Products:	None
Will Hazardous polymerization occur?	No
Is the Product Stable?	Yes

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**SECTION VII SPILL AND LEAK PROCEDURES**

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Steps to be taken in case material is released or spilled: Evacuate unprotected personnel from the area. Maintain adequate ventilation. Use proper Safety Equipment. Sweep up material into containers and dispose of properly.

Waste Disposal Method: Observe all Local, State and Federal Regulations. Dispose of at approved Waste Treatment Facility. Do NOT pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, flame, sparks or other sources of ignition.

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**SECTION VIII EXPOSURE CONTROL INFORMATION**

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**Consult Safety Equipment Distributor.**

Ventilation:	Maintain adequate ventilation. Do not use in confined or closed space. Keep levels below recommended Exposure limits. To determine exposure levels, monitoring should be performed regularly. Avoid accumulation of dust.
Respiratory Protection:	If recommended Exposure limits are exceeded wear NIOSH-approved self-contained breathing apparatus.
Protective Gloves:	Rubber (Latex)
Eye Protection:	Chemical Safety Glasses.
Other Protective Equipment:	Eyewash station. Protective clothing.
Work Practices:	Always follow safe work practices.

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**SECTION IX SPECIAL PRECAUTIONS**

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**Precautions to be taken in Handling and Storage:**

**Store in cool, well-ventilated area, out of direct sunlight. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers.**

**Other Precautions:**

**Avoid contact with skin and eyes. Do not swallow. Avoid dust or mist formation. Use with adequate ventilation. Avoid breathing mists or dusts. Wash thoroughly after handling.**

*The data in this Material Safety Data Sheet related only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as a warranty or representation.*