

<b>MATERIAL SAFETY DATA SHEET</b>	<b>FUTUREGARDEN, INC</b>	<b>Updated 11/01/04</b>
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**SECTION I – COMPANY AND PRODUCT INFORMATION**

MANUFACTURER’S NAME Futuregarden, Inc	EMERGENCY TEL. NO. 516-420-0884	CHEMTREC: (800) 424-9300
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ADDRESS (number, street, city, state, zip code) 931 C. Conklin St. Farmingdale, NY 11735, USA
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CHEMICAL NAME AND SYNONYMS Water, Potassium Sulfate, Ammonium Nitrate, MKP	TRADE NAME (S) AND SYNONYMS Liquid Earth Grow Plant Nutrient
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CHEMICAL CHARACTERIZATION: Inorganic salts formulated for plant food use	CAS# mixture	CONTENT Aqueous salt solution
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**SECTION II – HAZARDOUS IDENTIFICATION**

HAZARDS DESCRIPTION:	FIRE-[0] TOXICITY-[1] ODOR-[0] REACTIVITY-[0] CORROSIVENESS-[1]
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HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES – NONE KNOWN
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**SECTION III – PHYSICAL DATA**

BOILING POINT	>100° C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.14
VAPOR PRESSURE (mm Hg.)	N/A	FLAMMABILITY	Not flammable
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE	N/A
SOLUBILITY	100%	pH	3.8
ACTIVITY	N/A	ODOR	Sweet
APPEARANCE / FORM	Burgundy liquid		

**SECTION IV – FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA Water, carbon dioxide, extinguishing powder.
SPECIAL FIRE FIGHTING PROCEEDURES None
UNUSUAL FIRE AND EXPLOSION HAZARDS None

## SECTION V – FIRST AID MEASURES

AFTER CONTACT WITH SKIN: Wash area thoroughly with soap and water, if allergic reaction occurs, consult physician.
AFTER EYE CONTACT: Rinse opened eye for 15 minutes under running water. Get medical attention. Seek medical advice if irritation persists.
AFTER SWALLOWING: May cause nausea, vomiting or diarrhea. Consult a physician, use gastric lavage to empty stomach.
EFFECTS OF OVEREXPOSURE No exposure limits have been determined and no particular reactions to this product have been reported. If combined with other products, use their MSDS information.

## SECTION VI – REACTIVITY DATA

STABILITY Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	
MATERIALS TO AVOID - None Known	INCOMPATIBILITY - None Known
HAZARDOUS DECOMPOSITION PRODUCTS None Known	
HAZARDOUS POLYMERIZATION Will Occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>	

## SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED Contain spill with suitable absorbent material or wet vacuum, remove to disposal area legal and suitable for inorganic fertilizers. Avoid splashing liquid as it can stain absorbent surfaces.
WASTE DISPOSAL METHOD Follow Federal, State, or Local regulations for liquid fertilizers.

## SECTION VIII – HANDLING PRECAUTIONS

RESPIRATORY PROTECTION Not normally required.
VENTILATION Use local exhaust for ventilation; no mechanical or special exhaust is necessary.
PROTECTIVE GLOVES Recommended to avoid skin contact.

EYE PROTECTION  
Not normally required

OTHER PROTECTIVE EQUIPMENT  
As appropriate for the work environment. Dirty clothing should be laundered after use. Product may stain clothes.

## SECTION IX – PHYSICAL CHARACTERISTICS

Spectrum Analysis Data:			
Element	%	Element	%
Phosphoric Acid	1.0	Mo	.002
Ammoniacal N	.3	Co	.0005
Nitrate N	1.1	S	1.0
K	3.3	Fe	.1

## SECTION X – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: one the skin, some irritation may occur. One the eye, irritation will occur. Sensitizing: no sensitizing effect known

SUBACUTE TO CHRONIC TOXICITY:  
Other than potential irritation above, no information on illness or injury is known.

OTHER TOXICOLOGICAL INFORMATION:  
No classification data on the carcinogenic properties of this material is available.

## SECTION XI – ECOLOGICAL INFORMATION

General Information: Do not dispose of into oceans, lakes, streams, sinks or sewage discharge systems, promotes algae.

## SECTION XII – TRANSPORTATION INFORMATION

Not a hazardous material for transportation

### SARA TITLE III (40 CFR 372)

#### Section 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL: None CAS#: N/A % BY WEIGHT: NA CARCINOGENIC per NTP\_\_ IARC\_\_ OSHA\_\_ NONE

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**SECTION I – COMPANY AND PRODUCT INFORMATION**

MANUFACTURER’S NAME Futuregarden, Inc	EMERGENCY TEL. NO. 516-420-0884	CHEMTREC: (800) 424-9300
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ADDRESS (number, street, city, state, zip code) 931 C. Conklin St. Farmingdale, NY 11735, USA
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CHEMICAL NAME AND SYNONYMS Water, Mono Potassium Phosphate, Potassium Sulfate	TRADE NAME (S) AND SYNONYMS Liquid Earth Bloom Plant Nutrient
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CHEMICAL CHARACTERIZATION: Inorganic salts formulated for plant food use	CAS# mixture	CONTENT Aqueous salt solution
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**SECTION II – HAZARDOUS IDENTIFICATION**

HAZARDS DESCRIPTION:	FIRE-[0] TOXICITY-[1] ODOR-[0] REACTIVITY-[0] CORROSIVENESS-[1]
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HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES – NONE KNOWN
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**SECTION III – PHYSICAL DATA**

BOILING POINT	>100° C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.18
VAPOR PRESSURE (mm Hg.)	N/A	FLAMMABILITY	Not flammable
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE	N/A
SOLUBILITY	100%	pH	3.8
ACTIVITY	N/A	ODOR	Sweet
APPEARANCE / FORM	Burgundy liquid		

**SECTION IV – FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA Water, carbon dioxide, extinguishing powder.
SPECIAL FIRE FIGHTING PROCEEDURES None
UNUSUAL FIRE AND EXPLOSION HAZARDS None

## SECTION V – FIRST AID MEASURES

AFTER CONTACT WITH SKIN: Wash area thoroughly with soap and water, if allergic reaction occurs, consult physician.
AFTER EYE CONTACT: Rinse opened eye for 15 minutes under running water. Get medical attention. Seek medical advice if irritation persists.
AFTER SWALLOWING: May cause nausea, vomiting or diarrhea. Consult a physician, use gastric lavage to empty stomach.
EFFECTS OF OVEREXPOSURE No exposure limits have been determined and no particular reactions to this product have been reported. If combined with other products, use their MSDS information.

## SECTION VI – REACTIVITY DATA

STABILITY Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	
MATERIALS TO AVOID - None Known	INCOMPATIBILITY - None Known
HAZARDOUS DECOMPOSITION PRODUCTS None Known	
HAZARDOUS POLYMERIZATION Will Occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>	

## SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED Contain spill with suitable absorbent material or wet vacuum, remove to disposal area legal and suitable for inorganic fertilizers. Avoid splashing liquid as it can stain absorbent surfaces.
WASTE DISPOSAL METHOD Follow Federal, State, or Local regulations for liquid fertilizers.

## SECTION VIII – HANDLING PRECAUTIONS

RESPIRATORY PROTECTION Not normally required.
VENTILATION Use local exhaust for ventilation; no mechanical or special exhaust is necessary.
PROTECTIVE GLOVES Recommended to avoid skin contact.

EYE PROTECTION  
Not normally required

OTHER PROTECTIVE EQUIPMENT  
As appropriate for the work environment. Dirty clothing should be laundered after use. Product may stain clothes.

## SECTION IX – PHYSICAL CHARACTERISTICS

Spectrum Analysis Data:			
Element	%	Element	%
Phosphoric Acid	1.0	Mo	.002
Ammoniacal N	.3	Co	.0005
Nitrate N	1.1	S	1.0
K	3.3	Fe	.1

## SECTION X – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: one the skin, some irritation may occur. One the eye, irritation will occur. Sensitizing: no sensitizing effect known

SUBACUTE TO CHRONIC TOXICITY:  
Other than potential irritation above, no information on illness or injury is known.

OTHER TOXICOLOGICAL INFORMATION:  
No classification data on the carcinogenic properties of this material is available.

## SECTION XI – ECOLOGICAL INFORMATION

General Information: Do not dispose of into oceans, lakes, streams, sinks or sewage discharge systems, promotes algae.

## SECTION XII – TRANSPORTATION INFORMATION

Not a hazardous material for transportation

### SARA TITLE III (40 CFR 372) Section 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL: None CAS#: N/A % BY WEIGHT: NA CARCINOGENIC per NTP\_\_ IARC\_\_ OSHA\_\_ NONE

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ADDRESS (number, street, city, state, zip code) 931 C. Conklin St. Farmingdale, NY 11735, USA
--

CHEMICAL NAME AND SYNONYMS Water, Calcium Nitrate, Potassium Nitrate	TRADE NAME (S) AND SYNONYMS Liquid Earth Vigor Plant Nutrient
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CHEMICAL CHARACTERIZATION: Inorganic salts formulated for plant food use	CAS# mixture	CONTENT Aqueous salt solution
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**SECTION II – HAZARDOUS IDENTIFICATION**

HAZARDS DESCRIPTION:	FIRE-[0] TOXICITY-[1] ODOR-[0] REACTIVITY-[0] CORROSIVENESS-[0]
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HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES – NONE KNOWN
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**SECTION III – PHYSICAL DATA**

BOILING POINT	>100° C	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	1.24
VAPOR PRESSURE (mm Hg.)	N/A	FLAMMABILITY	Not flammable
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE	N/A
SOLUBILITY	100%	pH	6.0
ACTIVITY	N/A	ODOR	Almost odorless
APPEARANCE / FORM	Yellow liquid		

**SECTION IV – FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA Water, carbon dioxide, extinguishing powder.
SPECIAL FIRE FIGHTING PROCEEDURES None
UNUSUAL FIRE AND EXPLOSION HAZARDS None

## SECTION V – FIRST AID MEASURES

AFTER CONTACT WITH SKIN: Wash area thoroughly with soap and water, if allergic reaction occurs, consult physician.
AFTER EYE CONTACT: Rinse opened eye for 15 minutes under running water. Get medical attention. Seek medical advice if irritation persists.
AFTER SWALLOWING: May cause nausea, vomiting or diarrhea. Consult a physician, use gastric lavage to empty stomach.
EFFECTS OF OVEREXPOSURE No exposure limits have been determined and no particular reactions to this product have been reported. If combined with other products, use their MSDS information.

## SECTION VI – REACTIVITY DATA

STABILITY Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	
MATERIALS TO AVOID - None Known	INCOMPATIBILITY - None Known
HAZARDOUS DECOMPOSITION PRODUCTS None Known	
HAZARDOUS POLYMERIZATION Will Occur <input type="checkbox"/> Will not occur <input checked="" type="checkbox"/>	

## SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED Contain spill with suitable absorbent material or wet vacuum, remove to disposal area legal and suitable for inorganic fertilizers. Avoid splashing liquid as it can stain absorbent surfaces.
WASTE DISPOSAL METHOD Follow Federal, State, or Local regulations for liquid fertilizers.

## SECTION VIII – HANDLING PRECAUTIONS

RESPIRATORY PROTECTION Not normally required.
VENTILATION Use local exhaust for ventilation; no mechanical or special exhaust is necessary.
PROTECTIVE GLOVES Recommended to avoid skin contact.

EYE PROTECTION  
Not normally required

OTHER PROTECTIVE EQUIPMENT  
As appropriate for the work environment. Dirty clothing should be laundered after use. Product may stain clothes.

## SECTION IX – PHYSICAL CHARACTERISTICS

Spectrum Analysis Data:			
Element	%	Element	%
Ca	5.7	Mo	.004
Ammoniacal N	.9	Co	.0005
Nitrate N	5.7	K	2.8

## SECTION X – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: one the skin, some irritation may occur. One the eye, irritation will occur. Sensitizing: no sensitizing effect known

SUBACUTE TO CHRONIC TOXICITY:  
Other than potential irritation above, no information on illness or injury is known.

OTHER TOXICOLOGICAL INFORMATION:  
No classification data on the carcinogenic properties of this material is available.

## SECTION XI – ECOLOGICAL INFORMATION

General Information: Do not dispose of into oceans, lakes, streams, sinks or sewage discharge systems, promotes algae.

## SECTION XII – TRANSPORTATION INFORMATION

Not a hazardous material for transportation

### SARA TITLE III (40 CFR 372)

#### Section 313 TOXIC CHEMICALS NOTIFICATION

TOXIC CHEMICAL: None CAS#: N/A % BY WEIGHT: NA CARCINOGENIC per NTP\_\_ IARC\_\_ OSHA\_\_ NONE

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