



## MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**Product Name** 1 Year Plant Fertilizer 13-13-13

Revised 9/12

**Product ID** 98916, 98917

### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 1 Year Plant Fertilizer 13-13-13

**SYNONYMS:** n/a

**PRODUCT CODES:** 98916, 98917

**MANUFACTURER:** Aquascape, Inc.

**DIVISION:** n/a

**ADDRESS:** 901 Aqualand Way, St. Charles, IL 60174

**EMERGENCY PHONE:** 866-877-6637 **CANADA:** 866-766-3426

**OTHER CALLS:** 630-659-2000 **FAX:** 630-659-2100

**CHEMICAL NAME:** Ammonium nitrate based fertilizer coated with resin  
**COMMON NAME:** Fertilizer

**CHEMICAL FORMULA:** n/a

**PREPARED BY:** Aquascape, Inc.

### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

**HAZARDOUS INGREDIENTS** None known.

Chemical Names and Synonyms	WT %	CAS No.
Nitrogen	13	7727-37-9
Nitrate Nitrogen (constituent of N)	1.8	n/a
Ammoniacal Nitrogen (constituent of N)	7.1	n/a
Water Soluble Nitrogen (constituent of N)	1.85	n/a
Water Insoluble Nitrogen (constituent of N)	2.25	n/a
Phosphate	13	7723-14-0
Soluble Potash	13	7440-09-7
Calcium	1	7440-70-2

Magnesium	1.2	10257-54-2
Water Soluble Magnesium (constituent of Mg)	0.75	10043-35-3
Sulfur	3.6	10102-40-6
Chlorine	<1	7446-19-7
Copper	0.05	7440-50-8
Iron	2	7439-89-6
Water Soluble Iron (constituent of Fe)	0.16	n/a
Chelated Iron (constituent of Fe)	0.15	n/a
Manganese	0.95	7439-96-5
Water Soluble Manganese	0.01	n/a
Zinc	0.12	7440-66-6
Water Soluble Zinc (constituent of Zn)	0.01	n/a

## SECTION 3

### HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**Appearance:** Granular Grey

**Odor:** None

#### POTENTIAL HEALTH EFFECTS

**EYES:** Dust from this product may cause particulate discomfort to eyes.

**SKIN:** Prolonged or repeated direct contact with fertilizer may irritate skin.

**INGESTION:** Ingestion of large quantities may lead to symptoms such as headache, dizziness and vomiting.

**INHALATION:** Inhalation of dust may irritate nose, throat, and lungs.

#### CARCINOGENICITY

OSHA: n/a

IARC: n/a

ACGIH: n/a

OTHER: n/a

NTP: n/a

## SECTION 4

### FIRST AID MEASURES

**EYES:** Flush eyes thoroughly with running water for 15 minutes while keeping the eyelids wide open.

**SKIN:** Wash the affected area thoroughly with soap and water.

Clean Clothing

Consult physician if redness or irritation persists.

**INGESTION:** Thoroughly rinse mouth with water

Drink plenty of fluids  
Slight gastrointestinal discomfort may occur

**INHALATION:** n/a

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## SECTION 5 FIRE-FIGHTING MEASURES

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**SUITABLE EXTINGUISHING MEDIA** any

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS** none

**SPECIAL EXPOSURE HAZARDS IN A FIRE** none

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS** none

**OTHER INFORMATION** none

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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**IF MATERIAL IS RELEASED OR SPILLED:** Avoid dusting or misting conditions during cleanup. If material is uncontaminated, collect

and reuse as recommended for product. If contaminated, sweep up and scoop into suitable container for disposal. Keep spills away from drinking water supplies.

After cleaning up spill, flush area with water.

**METHODS FOR CLEAN UP** Apply as fertilizer to field. If product is contaminated, dispose of in an approved landfill

disposal facility, in accordance with applicable federal, state, and local regulations.

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## SECTION 7 HANDLING AND STORAGE

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**HANDLING AND STORAGE** Store in a cool, dry area away from incompatible materials and heat sources.

Avoid mixing with fuels, other combustible materials and strong alkaline agents.

Keep out of reach of children and pets.

Store away from reducing agents.

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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>ENGINEERING CONTROLS:</b>	n/a
<b>VENTILATION:</b>	Wear suitable NIOSH approved dust masks or respiratory protector.
<b>RESPIRATORY PROTECTION:</b>	none required
<b>EYE PROTECTION:</b>	ANSI approved safety glasses with side protection or goggles.
<b>SKIN PROTECTION:</b>	Wear suitable protective clothing
<b>HYGIENIC PRACTICES:</b>	Handle in accordance with good hygiene and safety practice.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

<b>APPEARANCE:</b>	Granular Grey
<b>ODOR:</b>	None

### IMPORTANT HEALTH SAFETY AND ENVIRONMENTAL INFORMATION

<b>pH:</b>	5
<b>BOILING POINT</b>	not applicable
<b>FLASH POINT</b>	not available
<b>MELTING POINT</b>	not applicable
<b>FLAMMABILITY (SOLID, GAS)</b>	NA
<b>EXPLOSIVE PROPERTIES</b>	non-explosive
<b>VAPOR PRESSURE:</b>	not applicable
<b>VAPOR DENSITY:</b>	not applicable
<b>BULK DENSITY</b>	not available
<b>EVAPORATION</b>	not applicable
<b>SOLUBILITY IN WATER:</b>	Fertilizer inside the coating dissolves in water gradually.
<b>DECOMPOSITION TEMPERATURE</b>	not applicable
<b>VISCOSITY:</b>	not applicable

## SECTION 10

## STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable under normal conditions of use.
<b>CONDITIONS TO AVOID:</b>	Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents.  Contact with fuels and other petro-organic or combustible materials. Active metals such as aluminum and magnesium.
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	Strong oxidizing (permanganate, dichromate, nitrate, chlorine) and reducing agents, sodium nitrite and many chlorine compounds (including household bleach and other cleaning products). Active metals such as aluminum and magnesium.

**HAZARDOUS  
DECOMPOSITION  
OR BY-PRODUCTS:**

In a fire, may produce oxides of nitrogen, magnesium, potassium, and sulfur;  
as well as, ammonia.

**UNUSUAL FIRE,  
EXPLOSION AND  
REACTIVITY  
HAZARDS:**

Decomposes on heating to high temperatures to emit ammonia, as well as toxic oxides  
of nitrogen, potassium, and sulfur. High airborne dust concentrations have the  
potential for explosion.

**CONDITIONS TO  
AVOID:**

Extreme heat. Contact with strong alkalis, oxidizers, and reducing agents. Contact with  
fuels and other petro-organic or combustible materials. Active metals such as  
aluminum and magnesium.

**SECTION 11**

**TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL DATA:**

**ACUTE ORAL  
TOXICITY** none known

**ACUTE  
INHALATION  
TOXICITY** none known

**ACUTE DERMAL  
IRRITATION/CORRO  
SION** none known

**SKIN IRRITATION** none

**EYE IRRITATION** acute

**SENSITIZATION** none

**CHRONIC TOXICITY** n/a

**CHRONIC  
TOXICITY/  
CARCINOGENIC  
DESIGNATION:** none known

**SECTION 12**

**ECOLOGICAL INFORMATION**

**ECOTOXICITY EFFECTS:**

**ACUTE TOXICITY:** none known  
**MOBILITY:** not applicable  
**PERSISTENCE AND DEGRADABILITY:** none known  
**BIOACCUMULATIVE POTENTIAL:** is not known to accumulate

**SECTION 13**

**DISPOSAL CONSIDERATIONS**

**WASTE TREATMENT:** Dispose of within current local and state regulations.  
No special method required.

**PACKAGING TREATMENT:** Consult federal, state, and local regulations regarding the proper disposal of emptied containers.  
**RCRA HAZARD CLASS:** n/a

**SECTION 14** TRANSPORT INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** Ammonium Nitrate Based Fertilizer

**HAZARD CLASS:** 9  
**ID NUMBER:** UN2071  
**LABEL STATEMENT:** 9

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** Ammonium Nitrate Based Fertilizer

**HAZARD CLASS:** 9  
**ID NUMBER:** 2071  
**LABEL:** none

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** Ammonium Nitrate Based Fertilizer

**HAZARD CLASS:** 9  
**UN NUMBER:** 2071  
**LABEL:** none

**SECTION 15** REGULATORY INFORMATION

**OSHA STATUS:** 29 CFR 1910.1200.  
**TSCA STATUS:** see 2. COMPOSITION/INFORMATION ON INGREDIENTS  
**CERCLA REPORTABLE QUANTITY (40CFR117,302):** None  
**SARA TITLE I**

**SECTION 302 (40 CFR 355)**  
**SECTION 311/312 (40 CFR 370)**

- 1 Immediate (Acute) Health Effect ; No
- 2 Delayed (Chronic) Health Effect; No
- 3 Fire Hazard; No
- 4 Sudden Release of Pressure Hazard; No
- 5 Reactivity Hazard; No

**SECTION 313 (40 CFR 372)**  
Please refer to any other federal, state and local regulations.

**SECTION 16** OTHER INFORMATION

**KEEP OUT OF REACH OF CHILDREN**

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof, Aquascape, Inc. makes no representation as to the completeness or accuracy of such information and recommendations. Aquascape, Inc.

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