



St. Paul Brand SAFETY DATA SHEET

EMERGENCY NUMBER (INFOTRAC): 1-800-535-5053

Liquid Fertilizer – All Analyses

MARION AG SERVICE, INC.

SAINT PAUL, OREGON 97137

Version 1.0 | Effective Date: NOV 30, 2016

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture
Product Name: Liquid Fertilizer – All Analyses
Other means of identification: Liquid fertilizers including all chemical make ups, with and without micronutrients.

1.2. Intended Use of the Product

Use of the substance/mixture: Fertilizer for use by Landscape Professionals and Ornamental Nurseries.

1.3. Name, Address, and Telephone of the Responsible Party Company

Marion Ag. Service Inc.
7749 St Paul Hwy
Saint Paul, OR 97137

1.4. Emergency Telephone Number

Emergency Number: 1-800-535-5053
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call INFOTRAC Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification according to 29 CFR 1910.1200

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification (GHS-US)

Physical hazards	Not classified
Health hazards	Not classified
OSHA defined hazards	Not classified

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) None

Signal Word (GHS-US) None



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Hazard Statements (GHS-US)	: This mixture does not meet the criteria for classification.
Precautionary Statements (GHS-US)	:
Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials
Disposal	Dispose of waste and residues in accordance with local authority requirements.

- 2.3. **Other Hazard(s) not otherwise classified (HNOC)** **None known**
Other Hazards: No additional information available
- 2.4. **Unknown Acute Toxicity (GHS-US)**
 No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
Ammonium Polyphosphate	(CAS No) 68333-79-9	0.1 - 98	Not classified
Water	(CAS No) 7732-18-5	0.1 - 95	Not classified
Ammonium Nitrate	(CAS No) 6484-52-2	0.1 - 20	Ox. Sol.3, H272 Eye Irrit. 2A, H319
Urea	(CAS No) 57-13-6	0.1 - 95	Not classified
1, 3, 5-triazinan-2-one (Triazone)	(CAS No) 7098-14-8	0.1 - 95	Not classified
Thiosulfuric acid (H ₂ S ₂ O ₃), dipotassium salt Potassium Thiosulfate	(CAS No) 10294-66-3	0.1 - 95	Not classified
Humic Acid	(CAS No) 1415-93-6	0.1 - 95	Not classified
FeEDTA	(CAS No) 15708-41-5	0.1 - 20	Not classified
EDTA Cu 0.20	(CAS No) 14025-15-1	0.1 - 10	Not classified
EDTA Zn 0.99	(CAS No) 14025-21-9	0.1 - 10	Not classified
EDTA Fe 4.45	(CAS No) 15708-41-5	0.1 - 10	Not classified
EDTA Mn 0.73	(CAS No) 15375-84-5	0.1 - 10	Not classified



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EDTA Mg 2.8	(CAS No) 14402-88-1	0.1 - 10	Not classified
Mo 0.005	(CAS No) 7631-95-0	0.1 - 10	Not classified
B 0.24	(CAS No) 7440-42-8	0.1 - 10	Not classified
Potassium Chloride	(CAS No) 7447-40-7	0.1 – 10	Not classified
Sodium Chloride	(CAS No) 7647-14-5	0.1 - 10	Not classified
Thiosulfuric acid (H ₂ S ₂ O ₃), Calcium Salt	(CAS No) 10124-41-1	0.1 - 90	Not classified
Thiosulfuric acid (H ₂ S ₂ O ₃), magnesium salt	(CAS No) 10124-53-5	0.1 - 90	Not classified
Thiosulfuric acid (H ₂ S ₂ O ₃), diammonium salt	(CAS No) 7783-18-8	0.1 - 50	Not classified
Diazanium sulfate	(CAS No) 7783-20-2	0.1 - 10	Not classified
Ammonium Sulfite	(CAS No) 10196-04-0	0.1 - 10	Not classified

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

First-aid Measures General: If medical advice is needed, have product container or label at hand.

First-aid Measures After Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Wash skin thoroughly with mild soap and water. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

First-aid Measures After Eye Contact: Immediately rinse with water for a prolonged period (at least 15 minutes) while holding the eyelids wide open. Obtain medical attention if irritation develops or persists.

First-aid Measures After Ingestion: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: May cause skin irritation.

Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested: Abdominal pain. Diarrhea. Nausea. Vomiting.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: In a fire of if heated, a pressure increase will occur and the container may burst. Apply water from a safe distance to cool container and protect surrounding area.



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5.3. Advice for Firefighters

Firefighting Instructions: Not flammable.

Protection during Firefighting: Wear full fire-fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Other information: Do not allow run-off from fire fighting to enter drains or water courses. Keep people away. Isolate fire and deny unnecessary entry.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.2. Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Prevent further leakage or spillage if safe to do so. Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Methods for Cleaning Up: Small Spills: Stop leak if without risk. Move containers from spill area. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use.

Large Spills: Stop leak if without risk. Move containers from spill area. Dike the spilled material, where this is possible. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Put on appropriate personal protective equipment. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous.

Hygiene Measures: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific End Use(s) Fertilizer use by Landscape Professionals and Ornamental Nurseries.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

U.S. Workplace Exposure Level (ACGH) (OSHA) : Not Listed

Biological Limits values: No listings

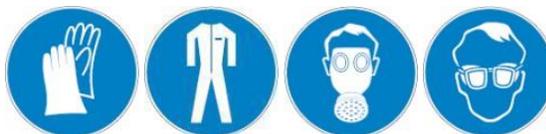
8.2. Exposure Controls

Appropriate Engineering Controls

: Ensure all national/local regulations are observed.

Personal Protective Equipment

: Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection. For particulates and dust: Safety glasses.



Hand Protection

: Protective gloves.

Eye Protection

: Safety glasses.

Skin and Body Protection

: Wear suitable protective clothing.

Respiratory Protection

: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Environmental Exposure Controls

: Ensure adequate ventilation, especially in confined areas. Wear air supplied respiratory protection if exposure concentrations are unknown.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Multi-colored.
Color	: White
Odor	: Slight. Pungent.
Odor Threshold	: No data available
pH	: No data available
pH solution	: 10 %
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available



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Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: Soluble
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available

9.2. Other Information No additional information available

SECTION 10: STABILITY AND REACTIVITY

- 10.1 **Reactivity:** Reactive with acids.
- 10.2 **Chemical Stability:** Stable at standard temperature and pressure.
- 10.3 **Possibility of Hazardous Reactions:** Under normal conditions of storage and use, hazardous reactions will not occur. Will not polymerize.
- 10.4 **Conditions to Avoid:** No data available.
- 10.5 **Incompatible Materials:** None known.
- 10.6 **Hazardous Decomposition Products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity: Not classified

Ammonium nitrate (6484-52-2)	
LD50 Oral Rat	2217mg/kg
LC50 Inhalation Rat	>88.8mg/l/4h

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): May cause respiratory irritation.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Overexposure may be irritating to the respiratory system.

Symptoms/Injuries After Skin Contact: May cause skin irritation.



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Symptoms/Injuries After Eye Contact: May cause eye irritation.

Symptoms/Injuries After Ingestion: If a large quantity has been ingested : Abdominal pain. Diarrhea. Nausea. Vomiting.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Eco toxicity

This product is harmful to aquatic life. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. This product is not intended for use in aquatic settings.

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash water.

Do not apply when weather conditions favor drift from target area.

12.2. Persistence and Degradability

Biodegradability: No data available

12.3. Bioaccumulative Potential

Bioaccumulation: No data available

12.4. Mobility in Soil No additional information available

12.5. Other Adverse Effects: No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Waste Disposal Recommendations: Place in an appropriate container and dispose of the contaminated material at a licensed site.

Additional Information: Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT Not regulated for transport

14.2 In Accordance with IMDG Not regulated for transport

14.3 In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

SARA Hazard Notification/ Reporting

SARA Title III Hazard Category:



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Immediate--Y Fire-- N Sudden Release of Pressure-- N Delayed-- N Reactive--N

Reportable Quantity (RQ) under U.S. CERCLA: Not listed.

SARA, Title III Section 313: Not listed.

RCRA Waste Code: Not listed.

Ammonium nitrate (6484-52-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

CA Proposition 65: This product contains chemicals known to the state of California to cause cancer or birth defects on other reproductive harm.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

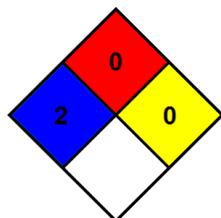
Revision date: 11/30/2016

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Ox. Sol. 3	Oxidizing solids Category 3
H272	May intensify fire; oxidizer
H319	Causes serious eye irritation

NFPA Fire Hazard	0	Materials that will not burn.
NFPA Reactivity	0	Normally stable, even under fire exposure conditions, and are not reactive with water.
NFPA Health Hazard	2	Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.





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