



# Amino 3-1-1

Safety Data Sheet

Revision Date: 11/28/23

Version 1.0

## SECTION 1: IDENTIFICATION

### 1.1. Product Identifier

**Product Name:** Amino 3-1-1

**Product Form:** Mixture

**Synonyms:** Liquid Fertilizer, 3-1-1

### 1.2. Intended Use of the Product

**Agricultural Industry:** Fertilizer

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

Marco NPK

201 East Benton Street

Clinton, IL 61727

(217) 935-2178

[www.marconpk.com](http://www.marconpk.com)

### 1.4. Emergency Telephone Number

For Transportation Emergencies call Hazmat Response at (800) 229-5252

For Other Emergencies call 911 and/or Appropriate Regulatory Agencies

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the Substance or Mixture

**GHS-US Classification**

Not Classified

### 2.2. Label Elements

**GHS-US Labeling:**

Not hazardous according to the established criteria.

**Hazard Pictograms (GHS-US):**

None.

**Signal Word (GHS-US):**

None.

**Hazard Statements (GHS-US):**

This mixture does not meet the criteria for classification.

**Precautionary Statements (GHS-US):**

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P280 - Wear protective gloves, protective clothing, and eye protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

### 2.3. Other Hazards

None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** Not applicable

**Skin Contact:** If irritation occurs, wash with soap and water

**Eye Contact:** Promptly flush with water for at least 15 minutes

Ingestion: Only conscious, drink ample water

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Non-flammable. Material will not burn. Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media:** None known.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Flash Point:** Non-combustible

**Auto Ignition Temperature:** Not applicable

**Flammable Limits:** Non-combustible

### 5.3. Advice for Firefighters

**Other information:** None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** Contain any spills with dikes or absorbents and/or dilute with water.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Wear suitable protective clothing, gloves and eye/face protection.

**Emergency Procedures:** If possible, stop flow of product. Contain any spills with dikes or absorbents and/or dilute with water.

### 6.2. Environmental Precautions

None

### 6.3. Methods and Material for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents and/or dilute with water.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material, then place in suitable container.

### 6.4. Reference to Other Sections

No additional information available.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store product in its original, labeled container in a cool, dry place out of reach of children and pets

**Storage Temperatures:** Do not let product freeze or reach temperatures greater than 110° F

### 7.3. Specific End Use(s)

Agricultural Industry: Fertilizer

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

There are no established Exposure limits.

### 8.2. Exposure Controls

**Appropriate Engineering Controls:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:**

Gloves. Safety glasses. Protective clothing.



**Materials for Protective Clothing:**

Chemically resistant materials and fabrics.

<b>Hand Protection:</b>	Wear chemically resistant protective gloves.
<b>Eye Protection:</b>	Chemical goggles or safety glasses.
<b>Skin and Body Protection:</b>	Handle in accordance with good industrial hygiene and safety practice. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
<b>Respiratory Protection:</b>	Not required for normal conditions of use.
<b>Environmental Exposure Controls:</b>	Ensure adequate ventilation, especially in confined areas.
<b>Other Protective Equipment:</b>	Washing facilities should be available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Light Brown Liquid
<b>Odor:</b>	Sewage
<b>Odor Threshold:</b>	Not available
<b>pH:</b>	3.0 - 4.5
<b>Evaporation Rate:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Freezing Point:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not available
<b>Auto-ignition Temperature:</b>	Not available
<b>Decomposition Temperature:</b>	Not available
<b>Flammability (solid, gas):</b>	Not available
<b>Lower Flammable Limit:</b>	Not available
<b>Upper Flammable Limit:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Relative Vapor Density at 20C:</b>	Not available
<b>Specific Gravity</b>	1.2
<b>Solubility:</b>	100%
<b>Partition Coefficient: N-Octanol/Water:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Explosion Properties:</b>	None known

## SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Stable at ambient temperature and under normal conditions of use.
- 10.2. Chemical Stability:** Stable at standard temperature and pressure.
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Excessive heat, contact with strong alkalis, oxidizers, and reducing agents, fuels and other combustible materials.
- 10.5. Incompatible Materials:** Strong alkalis, oxidizers, reducing agents, fuels and combustible materials.
- 10.6. Hazardous Decomposition Products:** None.

## SECTION 11: TOXICOLOGICAL INFORMATION

No components of this product are listed as carcinogenic by NTP, IARC, or OSHA

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Environmental Precautions:

This product is bio-degradable. Dispose of this product by diluting it with water and apply to soil, plants, turf, etc.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Disposal Recommendations:** This product is bio-degradable. Dispose of this product by diluting it with water and apply to soil, plants, turf, etc.

Container Disposal: Completely empty container before disposal.

**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
- 14.4. In Accordance with TDG Not regulated for transport

**SECTION 15: REGULATORY INFORMATION**

Not Applicable

**SECTION 16: OTHER INFORMATION**

- NFPA Health Hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
- NFPA Fire Hazard:** 0 - Materials that will not burn.
- NFPA Reactivity:** 0- Normally stable, even under fire exposure conditions, and area not reactive with water.



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