



## SAFETY DATA SHEET

PRODUCT NAME: **Mag-Man**

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**DISTRIBUTOR:** Quest Products Corporation  
**ADDRESS:** 23611 Linwood Rd.  
Linwood, Kansas 66052  
**PHONE:** (785)-542-2577

**EMERGENCY CHEMTREC PHONE – US & Canada:** 1-800-424-9300

**CHEMICAL NAME:** Mag-Man Color Nutrient Fertilizer  
**CHEMICAL FAMILY:** Fertilizer Nutrient Solution  
**CHEMICAL FORMULA:** Mixture

**SECTION 1 NOTES:** None

### SECTION 2: HAZARDS IDENTIFIED

#### GHS Ratings:

Signal Word: **WARNING**

#### GHS Hazards

H301 Toxic if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H333 May be harmful if inhaled.

#### GHS Precautions

P102 - Keep out of reach of children.

P103 - Read label before use.

P233 - Keep container tightly closed.

P234 - Keep only in original container.

P261 - Avoid breathing fume, gas, mist, vapors or spray.

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product

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

P301+312 - IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so; continue rinsing cautiously.

P362 Take off contaminated clothing and wash before reuse.



### SECTION 3: COMPONENT INFORMATION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
Proprietary Blend of Primary Plant Nutrients and Chelated Micronutrients in an Aqueous Solution	Proprietary	100%

**CARCINOGENICITY:** Not known to be carcinogenic.

**OSHA:** No

**ACGIH:** No

**NTP:** No

**IARC:** No

**OTHER:** No

**SECTION 3 NOTES:** If the specific chemical identities and/or exact percentage (concentration) of composition contains the phrase "proprietary", the information has been withheld as a trade secret.

#### SECTION 4: FIRST AID MEASURES

*Have the product container and SDS with you when calling a poison control center or doctor, or going for treatment, if able.*

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

**PRIMARY ROUTES OF EXPOSURE:** Inhalation of mist, Ingestion, Eye Contact, Skin Contact (irritation).

**IF IN EYES:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present, after the first 5 minutes, then continue cautiously rinsing eye. If eye irritation persists, seek medical attention.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water for several minutes. If skin irritation persists, seek medical advice or attention.

**IF SWALLOWED:** Call a poison control center, doctor or physician. Drink milk or large amounts of water, if conscious to dilute.

**IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, seek medical attention immediately and administer CPR.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Treat symptomatically. Chronic ingestion may cause damage to the heart, liver and blood-forming tissues. Ingestion of large quantities may cause headache, mental impairment, tachycardia, and may be fatal.

**SECTION 4 NOTES:** None

#### SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT °C:** Not applicable.

**IN CASE OF FIRE:** Use carbon dioxide or dry chemical for small fires and water fog or foam (alcohol, polymer, or ordinary) for large fires. Water stream may spread flames.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. Use self-contained breathing apparatus with fighting any fire in an enclosed area. Do not release contaminated runoff from fire control methods to sewers, or waterways.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Ammonia (16-25%) may form flammable mixtures with air. Sulfur dioxide is a respiratory hazard.

**HAZARDOUS COMBUSTION PRODUCTS:** When ignited, emits fumes of ammonia, nitrogen oxides, oxides of carbon, phosphorus oxides, potassium sulfate, sulfur, sulfur oxides and metal oxides.

**SECTION 5 NOTES:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Sweep up absorbed material and place in a chemical waste container for disposal. Wear suitable protective equipment.

**CLEAN-UP MEASURES:** Follow federal, state and local regulations for liquid and solid waste disposal. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state and local regulations. Wear suitable protective equipment.

**SECTION 6 NOTES:** Do not breathe dust. Do not get in eyes, on skin or on clothing. See section 1 for CHEMTREC emergency phone number. See Section 12 for additional Ecological Information.

#### SECTION 7: HANDLING AND STORAGE

**HANDLING** Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Wear protective gloves, protective clothing, eye protection & face protection.

**STORAGE:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. Store between 40° and 90° F. Avoid storage in containers or piping systems constructed with components containing copper, zinc or their alloys - bronze, brass, aluminum, galvanized metals, lead or mercury.

**SECTION 7 NOTES:** None

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>VENTILATION:</b>	Normal room ventilation (mechanical) or outdoor use should be satisfactory.
<b>RESPIRATORY PROTECTION:</b>	Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if necessary.
<b>EYE PROTECTION:</b>	Chemical goggles and face shield.
<b>SKIN PROTECTION:</b>	Impervious gloves, long-sleeved shirts and pants.
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT:</b>	Wear chemically protective gloves to prevent prolonged/repeated skin contact. Wear protective glasses or chemical safety goggles, and impervious clothing as appropriate per OSHA guidelines. Eye wash and safety shower should be easily accessible.
<b>WORK HYGENIC PRACTICES:</b>	Wash thoroughly with soap and water after handling product and before eating, drinking or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
<b>EXPOSURE GUIDELINES:</b>	If exposed, see section 4 for acute exposure first aid.
<b>SECTION 8 NOTES:</b>	None

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Clear Light Green Liquid	<b>FLAMMABLE LIMITS IN AIR, BY VOLUME:</b>	<b>Upper:</b> Unknown <b>Lower:</b> Unknown
<b>ODOR:</b>	Slight Ammonia	<b>VAPOR PRESSURE (mmHg):</b>	@ Unknown F: Unknown C: Unknown
<b>ODOR THRESHOLD:</b>	Not known	<b>VAPOR DENSITY (AIR=1):</b>	@ Unknown F: Unknown C: Unknown
<b>PHYSICAL STATE:</b>	Liquid	<b>RELATIVE DENSITY:</b>	1.289-1.299
<b>pH AS SUPPLIED:</b>	8.5-9.0	<b>EVAPORATION RATE BASIS (butyl acetate=1):</b>	Unknown
<b>pH (OTHER):</b>	Not applicable	<b>SOLUBILITY IN WATER:</b>	Soluble
<b>INITIAL BOILING POINT:</b>	F: Unknown C: Unknown	<b>PARTITION COEFFICIENT (n-octanol/water):</b>	Unknown
<b>BOILING POINT RANGE:</b>	F: Unknown C: Unknown	<b>AUTO-IGNITION TEMPERATURE:</b>	Unknown
<b>MELTING POINT:</b>	F: Unknown C: Unknown	<b>DECOMPOSITION TEMPERATURE:</b>	Unknown
<b>FREEZING POINT:</b>	F: 32° C: 0°	<b>VISCOSITY:</b>	@ Unknown F: Unknown C: Unknown
<b>FLASH POINT:</b>	F: Unknown C: Unknown		
<b>METHOD USED:</b>	PMCC		
<b>FLAMMABILITY (solid, gas):</b>	Not applicable.		

### SECTION 9 NOTES: Values are not product specifications.

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

## SECTION 10: STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable ● Unstable ○
<b>CONDITIONS TO AVOID (STABILITY):</b>	Store in a cool, dry place away from sunlight. Keep container tightly closed at all times when not in use.
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	Strong oxidizers, strong acids, strong alkali.
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	When ignited, emits fumes of ammonia, nitrogen oxides, oxides of carbon, phosphorus oxides, potassium sulfate, sulfur, sulfur oxides and metal oxides.
<b>HAZARDOUS POLYMERIZATION:</b>	Under normal conditions of storage and use, hazardous polymerization will not occur
<b>CONDITIONS TO AVOID (POLYMERIZATION):</b>	Evaporation to dryness.
<b>SECTION 10 NOTES:</b>	None

## SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	Not available
MIXTURE TOXICITY:	Not available.
COMPONENT TOXICITY	Not available
SECTION 11 NOTES:	None

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	If spilled in large quantities into water, this product may contribute to eutrophication.
ECOTOXICITY:	Under normal conditions of storage and use, this product is not suspected to be ecotoxic.
BIOACCUMULATIVE POTENTIAL:	No data available.
MOBILITY IN SOIL:	No data available
OTHER ADVERSE EFFECTS:	No data available
SECTION 12 NOTES:	None

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:	Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all federal, state and local regulations.
CONTAINER DISPOSAL:	Triple-rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations. <b>Containers with a capacity of equal to or less than 5 gallons:</b> Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 1) Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. 2) Fill the container ¼ full with water and recap. Shake for 10 seconds. 3) Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. 4) Repeat this procedure two more times. <b>Containers with a capacity of greater than 5 gallons:</b> Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 1) Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. 2) Tip the container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. 3) Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. 4) Repeat this procedure two more times. 5) Offer for recycling (if available) or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or – if allowed by state and local authorities – by burning. <b>if burned, keep out of smoke.</b>
RCRA HAZARD CLASS:	None.
SECTION 13 NOTES:	None.

## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

DOT Shipping Description:	Not Regulated
U.S. Surface Freight Classification:	FERTILIZERS, ORGANIC BASE (NMFC 33560; CLASS: 50) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.
OTHER AGENCIES:	None
SECTION 14 NOTES:	None

## SECTION 15: REGULATORY INFORMATION

<b>U.S. FEDERAL REGULATIONS</b>	<b>SARA 311/312 HAZARD CATEGORIES:</b>	This product exhibits acute and chronic effects per 1910.1200 and may require reporting.
TSCA (TOXIC SUBSTANCE CONTROL ACT):	Mixture not listed	Not listed.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):	Not Regulated	
SARA EHS 40 CFR 355:	Not listed.	<b>SARA 313 REPORTABLE INGREDIENTS:</b>
		<b>INTERNATIONAL REGULATIONS:</b> None

SECTION 15 NOTES: None

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is labeled in accordance with regulations administered by the Consumer Product Safety Commission (CPSC).

The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this SDS differ from the labeling requirements of the CPSC, and, as a result, this SDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

**DISCLAIMER:**

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

While we strive to ensure the accuracy and completeness of the information provided, we make no warranties or representations, express or implied, about the accuracy, reliability, or completeness of the data. The SDS may not encompass all possible scenarios or conditions under which the chemicals might be used or encountered. Users are responsible for ensuring that they have the most current version of this SDS and for understanding its contents. The manufacturer shall not be liable for any direct, indirect, incidental, or consequential damages arising out of the use or misuse of the chemicals described in this SDS. The responsibility for the safe use, handling, storage, and disposal of these chemicals lies solely with the user. It is the user's obligation to comply with all local, state, and federal regulations and to take appropriate measures to ensure the safety of personnel and property. This SDS is intended to comply with OSHA regulations under the Hazard Communication Standard (29 CFR 1910.1200) and other applicable regulatory requirements. Users are encouraged to consult additional resources and seek professional advice to ensure comprehensive compliance with all relevant health, safety, and environmental regulations.

This SDS may be updated periodically to reflect new information or regulatory changes. Users should ensure they are referring to the most recent version of the SDS. Inclusion of any specific product, material, or process in this SDS does not imply endorsement or approval by the manufacturer. The information provided is not intended to replace professional judgment or regulatory advice.

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