

## SECTION 1: IDENTIFICATION

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**Product Name:** Hye-Tech MAN5  
**Product Form:** Liquid Mixture  
**Product Code:** 10011330  
**Product Use:** Fertilizer  
**Supplier:** GAR Bennett, LLC  
8246 S. Crawford Ave.  
Reedley, CA 93654  
Work Hours: (559) 638-6311  
After Work Hours: (559) 908-9884  
[www.garbennett.com](http://www.garbennett.com)

**Transportation Emergency Number:** GAR BENNETT OFFICE: 1-559-638-6311

## SECTION 2: HAZARD IDENTIFICATION

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**Signal Word:** **DANGER**

May be corrosive to metals. Causes severer skin burns and eye damage. Harmful if swallowed or in contact with skin. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May cause cancer by inhalation. May damage fertility. May cause damage to organs through prolonged or repeated exposure.

## PRECAUTIONARY STATEMENTS:

**Prevention:** Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing/eye protection/face protection. Use only outdoors or in a well-ventilated area. KEEP OUT OF REACH OF CHILDREN.

**Response:** *If swallowed:* Rinse mouth, do NOT induce vomiting. Call a Poison Center/Doctor.

*If on skin:* Wash with plenty of water. Take off immediately all contaminated clothing. Continue to rinse skin with water/shower. Wash contaminated clothing before reuse.

*If in eyes:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

*If inhaled:* Remove person to fresh air and keep comfortable for breathing.

**Immediately call a poison center/doctor.... Call a poison center/doctor if you feel unwell.**

**Storage:** Store locked up or in a locked container. Store and use only in original container or in approved, corrosive resistant containers.

**Disposal:** Absorb spillage to prevent material damage. Apply any spillage and/or absorbent materials to the cropping location along with non-contaminated material. Return storage containers and/or applicators to GAR Bennett.

No known hazards otherwise classified.

No data available for acute toxicity.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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This information is a Trade Secret

<u>Chemical name:</u>	<u>CAS Number:</u>	<u>% by Weight:</u>
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Blends of Plant Nutrients:

Water	7732-18-5	69.83
Manganese Sulfate	10034-96-5	16.20
Phosphoric Acid	7664-38-2	7.41
Sodium Glucoheptonate	31138-65-5	2.00
Cobalt Sulfate	10124-43-3	<1.0
Fish Hydrolysate	Note available	<1.0
Ascophyllum Nodosum Seaweed	84775-78-0	<1.0

## SECTION 4: FIRST-AID MEASURES

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- Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Remove any contact lenses, if present and if easy to do. Continue to rinse. Immediately call a Poison Center or a Medical Doctor.
- Skin Contact:** Wash with plenty of water. Immediately remove any contaminated clothing. Continue rinsing with water. Wash any contaminated clothing before reuse.
- Inhalation:** Move to fresh air and keep comfortable for breathing. Seek medical advice if symptoms develop or persist.
- Ingestion:** Rinse mouth. Do NOT induce vomiting. Call a Poison Center or medical doctor if you swallow material or feel unwell.

**Indication of Immediate Medical Attention and Special Treatment Needed:** Provide general supportive measure and treat any symptoms. Keep victim under observation. Symptoms may be delayed.

ALWAYS show this Safety Data Sheet to the doctor in attendance.

## SECTION 5: FIRE-FIGHTING MEASURES

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This is not a flammable liquid.

Use extinguishing media suitable for underlying causes of the fire.

Use water spray or fog for cooling exposed container.

Do not enter fire area without full protective equipment, including respiratory protection.

Do not contaminate water suppliers, lakes, streams, ponds, drains or sewers with spilled product or fire-fighting water run-off.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Avoid inhalation of vapors and spray mist and contact with skin and eyes.

Keep unprotected and unnecessary personnel away from the spill area.

Use proper PPE as indicated in SECTION 8.

Dike all areas to prevent entry to sewers and any public water areas.

Notify local authorities if liquid enters sewers or public water areas.

Pump up any spilled material that is possible and reuse, if uncontaminated.

Return any contaminated material to the GAR Bennett facility for further processing.

Absorb any excess liquid with dirt or any other absorbent.

Return the dirt or any absorbent used for clean-up to GAR Bennett for further processing.

## **SECTION 7:     HANDLING AND STORAGE**

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### **HANDLING:**

- Keep and store in containers approved for corrosive fertilizer storage.
- Use proper PPE when handling this liquid fertilizer.
- Avoid inhalation of vapors or spray and any contact with skin or eyes.
- Thoroughly wash any skin areas exposed to the fertilizers.
- Provide good ventilation in any area handling the fertilizer.
- Do not allow this fertilizer to contaminate any lakes, ponds, drains or ditches.

### **STORAGE:**

- Store away from any incompatible materials.
- Keep and store only in properly labeled containers.
- Keep containers closed when not in use.
- Do not transfer any fertilizer into any non-approved container.
- Keep in original container or a corrosive resistant container.

## **SECTION 8:     EXPOSURE CONTROLS/PERSONAL PROTECTION**

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- There is no PEL/TLV information available for this fertilizer mixture.
- During use or transfer operations, do so only in well ventilated areas.

### **PPE USE:**

- Rubber or neoprene impervious gloves.
- Splash-proof goggles or face-shields.
- Impervious apron and footwear.
- Other suitable PPE is allowable to prohibit contact with skin or eyes.
- Emergency skin and eye-wash equipment should be available in the work area.
- Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.
- Always completely wash work clothes and PPE after use, in order to remove any contamination.

## **SECTION 9:     PHYSICAL AND CHEMICAL PROPERTIES**

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|--------------------|------------------------|
| <b>Appearance:</b> | Dark brown to dark tan |
| <b>Odor:</b>       | Acidic smell           |
| <b>pH:</b>         | 0.90                   |

**Specific Gravity:** 1.22  
**Density:** 10.17 lbs. per gallon  
**Solubility in Water:** 100%

**NO INFORMATION OR DATA IS AVAILABLE FOR THE FOLLOWING AREA:**

Upper/lower flammability or explosive limits	Viscosity	
Vapor pressure	Odor threshold	Flash point
Melting/freezing point	Initial boiling point and range	
Flammability	Partition coefficient: n-octanol/water	
Auto Ignition temperature	Decomposition temperature	

## **SECTION 10: STABILITY AND REACTIVITY**

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This product is stable under normal temperature conditions and recommended uses.

May react with strong oxidants, strong bases, strong acids nitrates, inorganic chlorides, chlorites and perchlorates.

Under conditions of fire, this materials may release ammonia, phosphorous oxides, cyanide compounds and other toxic fumes.

UAN 32 will form urea nitrate when mixed with nitric acid at low pH. Urea nitrate may become unstable and/or explosive under certain conditions.

Hazardous polymerization are not known to occur.

Avoid extremely high temperatures, water reactive materials, strong acids or strong bases.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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Eye contact: Will cause slight irritation up to serious eyes damage with contact.

Skin contact: Will cause serious skin damage with contact. Slight contact may cause irritation or a rash.

Inhalation: Vapors and spray mist may irritate the throat and respiratory system and cause coughing.

Ingestion: Will cause burning and organ damage when ingested.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

No information can be found for the Acute or Chronic Oral, Dermal or Inhalation effects.

## SECTION 12: ECOLOGICAL INFORMATION

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These products are not classified as environmentally hazardous. However, that does not mean that large or frequent spills of product would not be harmful or damaging to the local environment.

This product is water soluble and will disperse in soil.

## SECTION 13: DISPOSAL CONSIDERATIONS

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Any waste product that can't be safely used as intended, should be disposed of in accordance with all local, State and Federal regulations.

Disposal recommendations should be determined at the time of disposal and will depend on the characteristics of the material at the time of disposal.

Any container needing to be disposed of, should be rinsed prior to disposal and the rinse water used as the fertilizer material is intended to be used.

## SECTION 14: TRANSPORT INFORMATION

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DOT/IMDG and IATA shipping information:

Transport Document Description:	UN1805 Phosphoric Acid Solution, 8, III
UN Number:	UN1805
Proper Shipping Name:	Phosphoric Acid Solution
Class:	8, Class 8, Corrosive Material
Hazard Label:	8, Corrosive



Packing Group:	III – Minor Damage
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## SECTION 15: REGULATORY INFORMATION

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This product meets the definition of a “Hazardous Chemical” as defined by OSHA in the Hazard Communication Standard, 29, CFR 1910.1200.

**National Fire Protection Association Rating:**

Health: 3	Fire: 0	Reactivity: 0
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## S.A.R.A. Title III Hazard Classification:

Immediate (Acute) Health:	Y
Delayed (Chronic) Health:	Y
Sudden Release of Pressure:	N
Fire:	N
Reactive:	Y

## CERCLA Hazardous Substance List (40 CFR 302.4)

Phosphoric acid (CAS 7664-38-2)	Listed
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## CALIF PROP 65:



**WARNING:** This product can expose you to chemicals including Cobalt Sulfate and Lead which are known to the State of California to cause cancer and Arsenic and Cadmium which are known to the State of California to cause birth defects or other reproductive harm. For additional information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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

Issue Date: July 20, 2018

Date Revised: March 25, 2020

### Disclaimer:

GAR Bennett, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its own tests of the Product to determine suitability of the Product for user's particular use.