

# MATERIAL SAFETY DATA SHEET

HYE GREEN 2-18-40

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Issue Date: 6/02

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

HYE GREEN 2-18-40

Chemical Description:

Dry fertilizer mixture, water soluble.

TSCA/CAS No.:

This product is a mixture — there is no specific CAS number.

### Manufactured For

Gar Tootelian, Inc.

8246 South Crawford

Reedley, CA 93654

### Emergency Phone Numbers

Emergency Telephone:

DAYS: (559) 638-6311

EVES.: (559) 351-4156

CHEMTREC (24-Hour Emergency Number):

(800) 424-9300

EPA National Response Center:

(800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Copper sulfate pentahydrate	7758-99-8	0.40	1.0 mg/m <sup>3</sup> Dust/mist as copper	10
Manganese sulfate, monohydrate	10034-96-5	0.31	5 mg/m <sup>3</sup> (as Mn) OSHA (ceiling) 0.2 mg/m <sup>3</sup> (as Mn) ACGIH (TWA)	N.P.*
Potassium nitrate	7757-79-1	14.5	N.D.	N.P.
Zinc sulfate, monohydrate	7733-02-0	0.29	N.P.	1,000

N.D. Not determined.

N.P. Not pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Odorless, light green crystalline blend. No immediate health hazard except nuisance dust. Oxides of nitrogen can be released under intense heat. Stay upwind of smoke. Contain any liquid runoff. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 1 FLAMMABILITY: 0 ENVIRONMENT: 1  
(0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

## SECTION 4. FIRST AID

Eyes: Flush immediately with water for at least 15 minutes. Call a physician if eye irritation persists.  
Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.  
Ingestion: If conscious and alert, drink water or milk to dilute, then induce vomiting. Call a physician or Poison Control Center immediately.  
Inhalation: Move to fresh air. Blow nose to remove dust. If breathing becomes difficult, call a physician.

## SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point: Noncombustible.  
Test Method: Not available.  
LEL Flammable Limits: Not available.  
UEL Flammable Limits: Not available.  
Autoignition Temperature: Not pertinent.  
Flammability Classification: Noncombustible.  
Known Hazardous Products of Combustion: Oxides of nitrogen can be released under intense heat.  
Properties that Initiate/Contribute to Intensity of Fire: None.  
Potential For Dust Explosion: None.  
Reactions that Release Flammable Gases or Vapors: Not known.  
Potential For Release of Flammable Vapors: None.  
Unusual Fire & Explosion Hazards: None.  
Extinguishing Media: Water.  
Special Firefighting Procedures: Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

## SECTION 6. SPILLS AND LEAKS

Containment: Prevent product spillage from entering drinking water supplies or streams.  
Clean Up: Sweep up and use according to labeling or package for disposal.  
Evacuation: Not necessary.

## SECTION 7. STORAGE AND HANDLING

Storage: Store in a cool, dry place. Do not store near food or feeds. Do not stack pallets more than two (2) high.  
Transfer Equipment: Transfer solutions of product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.  
Work/Hygienic Practices: Keep out of reach of children. Harmful if swallowed or inhaled. Avoid breathing dusts or spray mist. Avoid contact with eyes, skin and clothing.

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

#### SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

**Eyes:** Chemical dust/splash goggles to keep dust out of eyes. For solutions of product, use chemical/dust splash goggles or full-face shield. As a general rule, do not wear contact lenses when handling.

**Skin:** Impervious gloves and clothes.

**Respiratory:** Not normally needed but recommend NIOSH-approved respirator (such as 3M #8500) for nontoxic nuisance dust. If use in solutions generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).

**Ventilation:** See Section 2 for established TLV. Provide appropriate ventilation and/or dust respirators to control dust level to below TLV.

#### SECTION 9. PHYSICAL AND CHEMICAL DATA

**Appearance:** Light green crystalline blend.

**Odor:** None.

**pH:** Not available.

**Vapor Pressure:** Not applicable.

**Vapor Density (Air=1):** Not applicable.

**Boiling Point:** Not available.

**Freezing Point:** Not available.

**Water Solubility:** Soluble.

**Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**% Volatile:** Not available.

**Octanol/Water Partition Coefficient:** Not available.

**Saturated Vapor Concentration:** Not available.

#### SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Conditions To Avoid:** None.

**Incompatibility:** None.

**Hazardous Decomposition Products:** Oxides of nitrogen can be released under intense heat.

**Hazardous Polymerization:** Will not occur.

#### SECTION 11. POTENTIAL HEALTH EFFECTS

##### Acute Effects:

**Eyes:** Mild irritant. May cause redness.

**Skin:** Mild irritant, especially from prolonged exposure. May cause redness.

**Ingestion:** May cause stomach cramps and/or nausea.

**Inhalation:** Inhalation of nuisance dust may cause coughing, wheezing and/or mild irritation of nasal mucous membranes.

**Subchronic Effects:** None known.

**Chronic Effects:** Under prolonged exposure this product can cause damage to respiratory system, urinary system, blood system, and reproductive system.

#### SECTION 12. ECOLOGICAL INFORMATION

**Algal/Lemna Growth Inhibition:** Not known.

**Toxicity to Fish and Invertebrates:** Not known.

**Toxicity to Plants:** Not known.

**Toxicity in Birds:** Not known.

#### SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

#### SECTION 14. TRANSPORTATION

**D.O.T. Shipping Description:** Not D.O.T. Regulated (<2500 lbs.)

**Other Shipping Description:** Fertilizing Compounds (Manufactured), Dry, Pkgd.  
(NMFC Item 68140 Sub 6, LTL Class 60)

#### SECTION 15. REGULATORY INFORMATION

**CERCLA:** Copper sulfate and zinc sulfate are listed as priority pollutants under the Clean Water Act and, as such, falls under the CERCLA spill reporting requirements of 40 CFR 302.

**SARA TITLE III, Section 313 Toxic Chemicals:** Copper compounds (1.0%), Manganese compounds (1.65%), Zinc compounds (3.0%).

**PROPOSITION 65 (CA):** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

#### SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.