

Material Safety Data Sheet

Effective Date: 30-JUN-2009
Product: QHP + 0-3-0

I. IDENTIFICATION

Chemical Name: Nutritional
Chemical Family: Bionutritionals
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: None required

II. PHYSICAL DATA

Boiling Point: >212 Degrees F.
Freezing Point: <32 Degrees F.
Spec Gravity: 1.042 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: 100% miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Light brown-tan colored liquid, sweet/sour odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
Proprietary blend of plant nutrients and inert ingredients. Provides 3.00% Available Phosphate (P2O5), derived from Phosphoric Acid (CAS No. 7664-38-2).		100.00	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Non-combustible
Autoignition Temp: Not applicable
Flammable Limit: Not applicable
Extinguishing Media: Non-combustible product. Use extinguishing media appropriate for underlying cause of fire.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing.
Fire and Expl Hazard: May emit oxides of carbon under fire conditions.

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V. HEALTH HAZARD

Carcinogen Information: Not listed by IARC, NTP or OSHA.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: May cause severe irritation to the gastrointestinal tract, if ingested, due to low pH (1.4).
Skin Absorption: Not readily absorbed through intact skin.
Inhalation: May cause irritation to the respiratory tract and mucous membranes if spray mist is inhaled.
Skin contact: May be irritating to skin with contact. Although this product has an acidic pH (1.4), is not caustic to skin.
Eye Contact: Severely irritating to the eyes with contact.
Chronic Effects: None currently known.
Other Hazard: Symptoms of overexposure in hypersensitive individuals include watery eyes and rhinitis.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Drink 1 to 2 glasses of water to dilute. Do not induce vomiting. Seek medical attention.
Skin: Flush affected area with plenty of water. Seek medical attention.
Inhalation: Move to fresh air. If irritation persists, seek medical attention.
Eyes: Flush eyes with water for at least 15 minutes, holding the eyelids apart to thoroughly rinse the eye. Seek immediate medical attention.
Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: None currently known.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong oxidizers. Non-reactive to water, acids and bases.
Hazardous Combustion: May emit carbon monoxide or carbon dioxide under fire conditions.

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VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Contain spilled liquid, collect and reuse if uncontaminated. If contaminated, absorb with inert material, collect and place in suitable containers for proper disposal. Do not contaminate water supplies, lakes, streams, ponds or drains with this product.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: None needed under normal use conditions.
Ventilation: Good general ventilation should be sufficient.
Gloves: None needed unless allergic.
Eyes: Splashproof goggles.
Other: Emergency shower, eyewash, impervious apron and footwear.

IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, ponds or drains.

Other precaution: If material is disposed of as is, regulated by RCRA as a D002 hazardous waste due to corrosivity (pH = 1.4).

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, per 49 CFR 173.154(d).
See Transportation Note.

Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Compound, Fertilizer (Manufactured Fertilizer),

Helena Chemical Company
PH: 901-761-0050
CHEMTREC: 800-424-9300

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Liquid, NOIBN (NMFC Item 68140, Sub 6, Class
70)

Chemical Name	Equivalent R.Q.
----- Phosphoric Acid (CAS No. 7664-38-2)	----- 5,000 lbs.

TRANSPORTATION NOTE:
If shipped by air, must be classified as:
UN1760, Corrosive Liquid, n.o.s. (Phosphoric Acid), 8, PG III

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 1

S.A.R.A. Title III Hazard Classification: (Yes/No)

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

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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