

Material Safety Data Sheet

J. R. Simplot Company

AgriBusiness

Trade Name: PHT Golden Bio
 Registration No: None

M77342CA

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: J.R. Simplot Company
 P.O. Box 70013
 Boise, ID 83707
 (208) 336-2110

Product Name: PHT Golden Bio
Common Name: Golden Bio
Chemical Type: Foliar
Recommended use/Restrictions: Plant nutrient/Industrial use: Refer to product label for use/restrictions

Emergency Phone - Chemtrec: 1-800-424-9300

SECTION 2 HAZARD IDENTIFICATION

GHS Classification: Acute Toxicity, Oral: __4__: Acute Toxicity, Dermal: __4__: Acute Toxicity, Mist: __5__: Skin Corrosion/Irritation: __2__: Eye Effects: __1__:

Pictogram(s):



Signal Word: DANGER

Hazard Statement: Harmful if swallowed. Harmful in contact with skin and if inhaled. Causes serious eye damage.

Precautionary Statement(s): Avoid breathing mist or vapor. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear protective gloves, clothing, eye, & face protection. If swallowed rinse mouth. Call POISON CONTROL/doctor/.. If you feel unwell. In eyes immediately call doctor. Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do and continue to rinse. If on skin get medical advice/attention. Wash with plenty of water. Specific treatment (see on label).

Other Hazard(s) Not listed

SECTION 3 COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%
Ingredients:			Hazardous
Phosphoric Acid	7664-38-2	H3PO4	--
*ingredients without WT% are considered proprietary based on trade secrets			

SECTION 4 FIRST AID MEASURES

Ingestion: Possible stomach disorders if taken orally. Do not induce vomiting. Consult a physician immediately.
Inhalation: Possible lung congestion if inhaled. Remove person to fresh air. Seek medical attention if discomfort persists.
Eyes: Will produce severe irritation. Prolonged contact may result in burn to eye causing permanent damage. Promptly flush eyes with clean, cool water for at least 15 minutes. Contact a physician immediately.
Skin: May produce mild to severe irritations. Promptly remove contaminated clothing and rinse area with clear water for 15 minutes.
Notes to Physician: Consult standard literature.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media: Non-flammable. Use media suitable to extinguish source of fire.
Special Fire Fighting Procedures: Not listed
Unusual Fire and Explosion Hazards: Not listed

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Protection Precautions, Equipment and Emergency Procedures: Approved respirators suitable for protection against acid mists and vapors. Not required for normal work procedures, but if misting occurs, use a high efficiency particulate respirator or self-contained breathing apparatus, with a full face shield when exposed above the TLV. Check with respirator manufacturer to determine the appropriate type of equipment for a given application. Rubber clothing, chemical gloves, footwear and chemical hat or hood suitable for protection against acids. Tight sealing splash proof goggles. Eyewash and safety shower in work areas.
Environmental Precautions: Low toxicity to aquatic life. Do not contaminate any watercourse or other body of water by direct application, disposal, or cleaning equipment.
Clean up method: Dike around spill for containment and recover for re-processing. Small spills should be picked up with paper towels or a mop. Large spills should be wet vacuumed or siphoned into suitable containers for disposal or reclamation.

SECTION 7 HANDLING AND STORAGE

Precautions to be taken in handling and storing: Persons handling product should use proper protective equipment and handle with care. Containers should be stored in cool, dry area to minimize product expansion and possible leakage. Wash hands and clothing after handling product.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name and Synonyms	TLV	PEL
Phosphoric Acid	1 mg/m ³ (3 mg/m ³ STEL)	1 mg/m ³

Engineering controls: Not listed
Ventilation Protection: General area ventilation.
Respiratory Protection: Approved respirators suitable for protection against acid mists and vapors. Not required for normal work procedures, but if misting occurs and always during unloading, use a high efficiency particulate respirator or self-contained breathing apparatus, with full face shield when exposed above the TLV. Check with respirator manufacturer to determine the appropriate type
Protective Clothing: Rubber clothing, chemical gloves, footwear and chemical hat or hood suitable for protection against acids.
Eye Protection: Tight sealing splash proof goggles.
Other: Eyewash and safety shower in work areas.

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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	100°F	Solubility in Water:	Soluble
Density:	1.031	% Volatiles (by volume):	Not listed
Flashpoint:	Non-flammable	Vapor Pressure, mm Hg:	570
Flammability:	Non-flammable	Partition Coefficient:	Not listed
Upper/Lower Flammability or Explosive limit:	Not applicable	Odor:	No odor
Autoignition Temperature:	Not applicable	Odor Threshold:	Not listed
Decomposition Temperature:	Not listed	Melting Point:	Not listed
pH:	1.9	Reaction with Water:	Not listed
Appearance:	Yellow liquid	Evaporation:	Not listed
Vapor Density:	Not listed	Relative Density:	Not listed

SECTION 10

STABILITY AND REACTIVITY

Chemical Stability (Normal Conditions): Stable
Reactivity (Normal Conditions): Stable
Conditions to Avoid: Not listed
Incompatibility (Material to Avoid): Neutralization reaction will occur if exposed to alkaline materials.
Hazardous Decomposition Products: At extreme temperatures, CO, an oxidation product, may be evolved, or phosphorus oxide.
Hazardous Polymerization: Will not occur

SECTION 11

TOXICOLOGY INFORMATION

	Oral LD50 (rat)	Dermal LD50 (rat)	Inhalation (rat)
Phosphoric Acid	1,530 mg/kg	1,260 to 3,160 mg/kg	61-1,689 mg/m3

Symptoms
Delayed, immediate, and chronic effects (short and long term exposure): Not listed

Carcinogenicity: by IARC?: Yes () No (X) by NTP?: Yes () No (X)

SECTION 12

ECOLOGICAL INFORMATION

Keep away from bodies of water.

SECTION 13

DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Check applicable local, state, and federal regulations.

SECTION 14

TRANSPORT INFORMATION

Shipping name:	Not regulated by DOT	C.A.S. Number:	See "ingredients"
Hazard Class:	None	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Regist No:	None
Placard:	None		

SECTION 15

REGULATORY INFORMATION

TSCA Yes (x) No () SARA Yes (x) No () Prop 65 Yes () No ()

SECTION 16

OTHER INFORMATION

MSDS Version Number: 1 (Update GHS Format 04/11/14)

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