

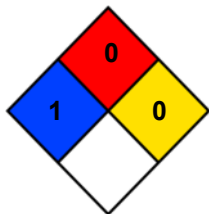


SAFETY DATA SHEET

FERTILGOLD[®]

SOLUBLE POWDER

REV A 2/3/2020



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	A

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: FERTILGOLD [®] SOLUBLE POWDER	Product #648
GENERAL USE: Used as a part of a plant nutrition program.	
PRODUCT DESCRIPTION: A brown to black powder having a mild characteristic odor.	
SUPPLIER INFORMATION:	EMERGENCY PHONE NUMBERS
Bio Huma Netics[®] Inc. 1331 W Houston Avenue Gilbert, AZ 85233 For Additional SDS call: (480) 961-1220 PHONE: (480) 961-1220	CHEMTREC: (In the USA) 800-424-9300 (International) 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

HAZARDS OVERVIEW:	A brown to black powder having a mild characteristic odor. Ingestion of this product may cause gastrointestinal irritation or pain CLASSIFICATION: MILD SKIN IRRITATION – HAZARD CATEGORY 3 SIGNAL WORD: WARNING HAZARD STATEMENT: H316 - WARNING - causes mild skin irritation PRECAUTIONARY STATEMENT: P332+P313; If skin irritation occurs: Get medical attention/advice.
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SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV _(TWA)	STEL	PEL _(TWA)	STEL
Humic Acid (potassium salt)	68514-28-3	Combustible/nuisance dust	≥ 92%	None	None	5mg/m3 (respirable)	None
Water	7732-18-5	None	≤8%	None	None	None	None
Silica, crystalline, quartz	14808-60-7	Inhalation	<0.5%	0.025 mg/m3 TWA (respirable dust)	None	10 mg/m3 %SiO2 + 2 TWA (respirable dust) 30 mg/m3 %SiO2 + 2 TWA (total dust)	None
				NDA = No Data Available		N/A = Not Applicable	

SECTION 4: FIRST AID MEASURES

INHALATION:	If inhaled, immediately move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
EYE CONTACT:	In case of contact, immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Get medical attention if irritation persists.
SKIN CONTACT:	In case of contact, flush skin with plenty of clean running water. Remove contaminated clothing and shoes and wash before reuse. If irritation occurs and persists, get medical attention.
INGESTION:	If swallowed, rinse mouth and slowly drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
NOTE TO PHYSICIANS:	Treat exposure symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flashpoint and Method:	This product does not flash.		
Flammable Limits (in air, % by volume)	Lower: Not applicable	Upper: Not applicable	
Autoignition Temperature:	Not applicable		
GENERAL HAZARD:	This product may form combustible dust concentrations in the air. The Uniform Fire Code health hazard classification for this product is: Irritant .		
FIRE FIGHTING INSTRUCTIONS:	EXTINGUISHING MEDIA: Water, foam, CO ₂ or dry chemicals. Use a water spray or fog to cool the containers exposed to the heat of a fire.		
FIRE FIGHTING EQUIPMENT:	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.		
HAZARDOUS COMBUSTION PRODUCTS:	When heated to dryness and decomposition, it emits toxic carbon monoxide, carbon dioxide.		

SECTION 6: ACCIDENTAL RELEASE MEASURES

RELEASE TO LAND:	This material/product is naturally occurring and if spilled does not pose a risk to the environment.
RELEASE TO WATER:	This material/product is naturally occurring and if spilled does not pose a risk to the environment.

SECTION 7: HANDLING AND STORAGE

STORAGE TEMPERATURE:	Ambient	STORAGE PRESSURE:	Ambient
GENERAL:	Store in a cool, dry, well-ventilated area, away from incompatible materials and products. Protect eyes, skin and clothing from contact with product. Wear recommended personal protective equipment when handling this product. Avoid breathing dusts. Use with adequate ventilation. Do not take internally. Keep the container tightly closed when not in use. Wash thoroughly after handling this product.		

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL MEASURES: Use a local or general, mechanical exhaust ventilation system capable of maintaining dust emissions, in the work area, above the AIHA WEEL or levels that may cause irritation.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR: For exposure above the ACGIH-TLV, AIHA-WEEL or OSHA-PEL, wear a NIOSH-approved full facepiece or half mask air-purifying cartridge respirator equipped with a good mist / particulate filter cartridge or supplied air. **Note:** Always consult the respirator manufacturer's data when determining the suitability of respiratory protective devices prior to use.

EYES: Wear safety glasses as needed. **Note:** Always consult the protective eyewear manufacturer's data when determining the suitability of protective eyewear prior to use.

GLOVES: Gloves are not required however if needed use Neoprene, Nitrile, Butyl Rubber or Natural Rubber gloves. **Note:** Always consult the glove manufacturer's permeation data when determining the suitability of gloves prior to use.

CLOTHING & EQUIPMENT: Protective clothing is not required when handling this product. An eye wash station and safety shower should be available in the work area. **Note:** Always consult the clothing/equipment manufacturer's permeation data when determining the suitability of clothing/equipment prior to use.

FOOTWEAR: Wear steel-toed safety shoes as needed. **Note:** Always consult the footwear manufacturer's permeation data when determining the suitability of footwear prior to use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown	Bulk Density (pounds/ft³):	Not applicable
Physical State:	Powder	Vapor Pressure:	No data available
Odor:	A mild characteristic odor	Vapor Density (air=1):	No data available
Odor Threshold:	No data available	Evaporation Rate (n-Butyl Acetate=1):	Not applicable
Molecular Formula:	Mixture	VOC Content/Organic Matter:	No data available
Molecular Weight:	Not applicable	% Volatile:	Not applicable
Boiling Point:	Not applicable	Solubility in H₂O:	Slightly soluble
Freezing/Melting Point:	Not applicable	Octanol/Water Partition Coefficient:	No data available
Specific Gravity:	Not applicable	pH (as is):	Not applicable
Density (pounds/gallon):	Not applicable	pH (solution for use):	8.0 – 10.0

SECTION 10: STABILITY AND REACTIVITY

GENERAL: This product is stable and hazardous polymerization will not occur.

CONDITIONS TO AVOID: Avoid creation/accumulation of dust

INCOMPATIBLE MATERIAL: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: When heated to dryness and decomposition, toxic oxides of carbon with trace or ultra-trace toxic oxide amounts, of sulfur, potassium, iron, manganese, magnesium, calcium, zinc and sodium.

SENSITIVITY TO MECHANICAL IMPACT: This product is not sensitive to mechanical impact.

SENSITIVITY TO STATIC DISCHARGE: This product in its normal state is not sensitive to static discharge, however if this product becomes airborne creating combustible dust concentrations it may become sensitive to static discharge. To avoid such conditions ensure dust is kept to a minimum by using the appropriate engineering controls (general and point source ventilation system) when handling this product.

SECTION 11: TOXICOLOGICAL INFORMATION

Components:	<u>Humic Acid (potassium salt)</u>	<u>Silica, crystalline, quartz</u>
Eye Contact:	May cause slight irritation	Particulates may cause abrasive injury
Skin Contact:	May cause slight irritation	No adverse effects are expected
Oral Rat LD₅₀:	>5,000 mg/kg	No data available
Dermal Rabbit LD₅₀:	No data available	No data available
Inhalation Rat LC₅₀:	No data available	No data available
Human Data:	No data available	Known to be a human carcinogen
Other Toxicological Data:	No data available	No data available
Carcinogenicity:	No data available	NTP classifies "Silica, Crystalline (respirable size)" as Known to be a human carcinogen
Teratogenicity:	No data available	No data available
Mutagenicity:	No data available	No data available
Synergistic Products:	None reported	No data available
Target Organs:	Skin	Lungs
Medical Conditions Aggravated By Exposure:	Skin or Respiratory disorders	Respiratory disorders

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:

This product is soluble in water and will not affect the pH of water. No specific environmental fate data is available.

ENVIRONMENTAL CONSIDERATIONS:

The aquatic toxicity for this product has not been determined.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA 40 CFR 261 CLASSIFICATION: Non-RCRA Hazardous Waste (United States)

U.S. EPA WASTE NUMBER/DESCRIPTION: Not Applicable

If this product is disposed of as shipped, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of a hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D due to toxicity. As a non-RCRA hazardous liquid waste, it should be disposed of in accordance with all local, state, and federal regulations. Consult state or local officials for proper disposal method.

SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	Not DOT Regulated (United States)	UN Number:	N/A	Packing Group:	N/A
	Hazard Class: Not applicable				
	Primary Label: Not applicable	Subsidiary Label(s):	None Required		
	Primary/Subsidiary Placards:	None Required			
DOT Reportable Quantity (RQ):	Not Listed	RQ for Product:	Not Applicable		
Marine Pollutant:	No				
2012 North American Emergency Response Guidebook No.:	Not applicable				
TDG PROPER SHIPPING NAME:	NOT RESTRICTED				
	Hazard Class: Not applicable	UN Number:	N/A	Packing Group:	N/A
	Primary Label: None Required	Subsidiary Label(s):	None Required		
	Primary/Subsidiary Placards:	None required			
TDG Reportable Quantity (RQ): *	Not applicable				
TDG Schedule XII:	Not applicable				
Regulated Limit (RL): **	Not Listed	RL for Product:	Not Applicable		
Other Shipping Information:	None				

* Canadian Transportation of Dangerous Goods Regulations (TDGR), Part IX, Table I, Quantities or levels for Immediate Reporting: releases of reportable quantities, RQ, that meet the definition of a "dangerous occurrence" (a threat to life, health, property, or the environment) must be reported to the appropriate authorities as outlined in TDGR 9.13(1) and 9.14(1). ** Reporting to Environment Canada is required for any releases exceeding the regulated limits, RL, of 9.2 materials (primary or secondary). The regulated limits are found in Schedule XIII of the TDGR.

SECTION 15: REGULATORY INFORMATION

COMPONENTS:	<u>Humic Acid (potassium salt)</u>	<u>Silica, crystalline, quartz</u>
OSHA Target Organs:	Eyes and Lungs	Lungs
<u>Carcinogenic Potential:</u>		
Regulated by OSHA:	No	Yes
Listed on NTP Report:	No	Yes
Listed by IARC:	No	Yes
IARC Group:	Not applicable	Group 1
ACGIH Appendix A:	Not listed	Listed
A1 Confirmed Human:	Not applicable	Yes
A2 Suspected Human:	Not applicable	Not applicable

U.S. EPA Requirements

Release Reporting

CERCLA (40 CFR 302)

Listed Substance:	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable
Category:	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable
Unlisted Substance:	Not applicable	Not applicable
Reportable Quantity:	Not applicable	Not applicable
Characteristic:	Not applicable	Not applicable
RCRA Waste No.:	Not applicable	Not applicable

SECTION 15: REGULATORY INFORMATION (Continued from page 5)

COMPONENTS: Humic Acid (potassium salt) Silica, crystalline, quartz

SARA TITLE III

Section 302 & 303 (40 CFR 355):

Listed Substance:	Not listed	Not listed
Reportable Quantity:	Not applicable	Not applicable
Planning Threshold:	Not applicable	Not applicable

Section 311 & 312 (40 CFR 370):

Hazard Categories (product):	Fire: <u>N</u>	Sudden Release of Pressure: <u>N</u>	Reactive: <u>N</u>	Acute Health: <u>Y</u>	Chronic Health: <u>N</u>
Planning threshold:	NA		NA		

Section 313 (40 CFR 372):

Listed Toxic Chemical:	No	No
Reporting Threshold:	NA	NA

U.S. TSCA Status

Listed (40 CFR 710):	No	Yes
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State Regulations

State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):

Carcinogen:	No	Yes
Reproductive Toxin:	No	No

Other Regulations

State Right To Know Laws:	None Known	CA, MA, PA, TX
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Canadian Regulations

Product Information:		
Controlled Product:	No	Yes
WHMIS Hazard Symbols:	NA	NA
WHMIS Class & Division:	NA	D2A

Ingredient Information:

IDL Substance:	No	No
DSL or NDSL Lists:	None	Yes

SECTION 16: OTHER INFORMATION

EPA Registration number: Not applicable

Approved Product Uses: Used as part of a plant nutrition program.

Special Notes:

This product is not manufactured, or formulated to contain substances, which the State of California has found to cause cancer and/or birth defects or other reproductive harm. However, as it contains mined minerals, this product may contain trace (parts per million) or ultra-trace (parts per billion) of elements known to the State of California to cause cancer, birth defects or other reproductive harm.

Special Instructions: Store FERTILGOLD® SOLUBLE POWDER in a cool, dry, well ventilated, area away from incompatible materials and products. Do not add this product to strong oxidizers.

SDS Revision Information: Revised Date:

SDS Distributed by: Bio Huma Netics, Inc.

Prepared By:	Anna Carpenter	Date Prepared:	February 3, 2020
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