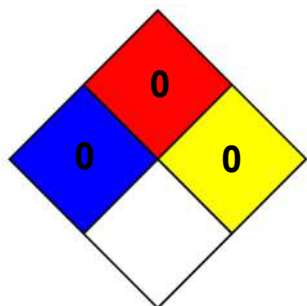




SAFETY DATA SHEET

Fertilgold® LIQUID FA 6



HMIS	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: Fertilgold® LIQUID FA 6	Product # 753
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GENERAL USE: Used as a part of a plant nutrition program.

PRODUCT DESCRIPTION: A dark yellow, liquid having a slight sour odor.

SUPPLIER INFORMATION:	Bio Huma Netics, Inc. 1331 W Houston Avenue Gilbert, AZ 85233	EMERGENCY PHONE NUMBERS
For Additional SDS Call:	PHONE: (480) 961-1220	CHEMTREC: (In the USA) 800-424-9300 (International) 703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

A dark yellow, liquid having a slight sour odor.

HAZARDS OVERVIEW:
This product is not classified as regulated according to GHS

CLASSIFICATION: NA
SIGNAL WORD: NA
HAZARD STATEMENT: NA
PRECAUTIONARY STATEMENT: NA

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV (TWA)	STEL	PEL (TWA)	STEL
Humates	1415-93-6	Nuisance dust	6 ± 1	None	None		5mg/m3 (respirable)
Water & Aqueous Solutions	732-18-5	None	94 ± 1	None	None		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, immediately flush skin with plenty of clean running water for at least 15 minutes, while removing contaminated clothing and shoes. If burn or irritation occurs, call a physician.

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 is an aqueous, acidic solution of organic compounds. The Uniform Fire Code health hazard classification of this product is: Irritant . It may produce decomposition products.	
FIRE FIGHTING INSTRUCTION:	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 this product can emit toxic oxides of carbon.	

SECTION 6: ACCIDENTAL RELEASE MEASURES

RELEASE TO LAND:	Wearing recommended protective equipment and clothing, dike the spill and pick up the bulk of liquid using pumps or a vacuum truck, or absorb the liquid in sand or a commercial absorbent. Place in approved containers for recovery, disposal, or satellite accumulation. If applicable, neutralize the acidity, of the remaining liquid, using soda ash, lime, or other agent appropriate for neutralizing acidic liquids. Flush the spill area with water; collect the rinsates for disposal or sewer, as appropriate.
RELEASE TO WATER:	Wear recommended protective equipment and clothing if contact with hazardous material can occur. Stop or divert water flow. Dike contaminated water and remove for disposal and/or treatment. As appropriate, notify all downstream users of possible contamination.

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. Do not get this product in eyes, on skin, or on clothing. Protect eyes, skin and clothing from contact with this product. Wear recommended personal protective equipment when handling this product. Avoid breathing vapors, aerosols or mists. Use with adequate ventilation. Do not take internally. Keep the containers tightly closed when not in use. Wash thoroughly with soap and water, after handling this product.		

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL MEASURES:	Use a local or general mechanical exhaust ventilation system capable of maintaining emissions, in the work area, below those levels that may cause irritation.
RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT	
RESPIRATOR:	Respiratory protection is not normally required. If use produces mists or aerosols that may cause irritation, a NIOSH approved half mask or full facepiece respirator equipped with a good mist / particulate cartridge or supplied air is recommended. Note: Always consult the respirator manufacturer's data when determining the suitability of respiratory protective devices prior to use.
EYES:	Wear chemical goggles (recommended by ANSI Z87.1-1979), unless a full facepiece respirator is worn. Note: Always consult the protective eyewear manufacturer's data when determining the suitability of protective eyewear prior to use.
GLOVES:	Wear 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:	Wear a Neoprene, Nitrile, Butyl Rubber or Natural Rubber apron 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 Neoprene, Nitrile, Butyl Rubber or Natural Rubber boots. 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:	Dark Yellow	Bulk Density (pounds/ft³):	Not applicable
Physical State:	Liquid	Vapor Pressure:	No data available
Odor:	Slight sour	Vapor Density (air=1):	No data available
Odor Threshold:	Not applicable	Evaporation Rate (n-Butyl Acetate=1)	Less than 1
Molecular Formula:	Mixture	VOC Content / Organic Matter:	No data available
Molecular Weight:	Not applicable	% Volatile:	No data available
Boiling Point:	Greater than 100° C. (212 ° F.)	Solubility in H₂O:	complete
Freezing/Melting Point:	Less than 0° C. (32 ° F.)	Octanol/Water Partition Coefficient:	No data available
Specific Gravity:	1.313 @ 20° C.	pH (as is):	4.0 – 5.0
Density (pounds/gallon):	Approximately 10.96 @ 68 ° F	pH (1% solution):	No data available

SECTION 10: STABILITY AND REACTIVITY

GENERAL:	This product is stable and hazardous polymerization will not occur.
CONDITIONS TO AVOID:	Do not store this product below 50 F (10° C) or above 90 F (30° C)
INCOMPATIBLE MATERIALS:	Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	When heated to dryness and decomposition this product can emit toxic oxides of carbon.
SENSITIVITY TO MECHANICAL IMPACT:	This product is <u>not</u> sensitive to mechanical impact.
SENSITIVITY TO STATIC DISCHARGE:	This product is <u>not</u> sensitive to static discharge.

SECTION 11: TOXICOLOGICAL INFORMATION

Components:	HUMATE
Eye Contact:	May cause slight irritation
Skin Contact:	May cause slight irritation
Oral Rat LD₅₀:	Non-toxic naturally occurring substance
Dermal Rabbit LD₅₀:	No data available
Inhalation Rat LC₅₀:	No data available
Human Data:	No data available
Other Toxicological Data:	No data available
Carcinogenicity:	No data available
Teratogenicity:	No data available
Mutagenicity:	No data available
Synergistic Products:	None reported
Target Organs:	Skin
Medical Conditions Aggravated by Exposure:	Skin or Respiratory disorders, May dry out sensitive skin after prolonged contact

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE:	This product is soluble in water. Completely miscible
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)
Hazard Class: Not applicable **UN Number:** N/A **Packaging Group:** N/A
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 **Packaging 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:
 DOT Coal Class 50 - Harmonized Tariff Code for US:2702.10.0000

* 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: Humate
OSHA Target Organs: Eyes and Lungs
Carcinogenic Potential:

Regulated by OSHA: No
Listed on NTP Report: No
Listed by IARC: No
 IARC Group: Not applicable
ACGIH Appendix A: Not listed
 A1 Confirmed Human: Not applicable
 A2 Suspected Human: Not applicable

U.S. EPA Requirements

Release Reporting CERCLA (40 CFR 302)
Listed Substance: Not listed
 Reportable Quantity: Not applicable
 Category: Not applicable
 RCRA Waste No.: Not applicable

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

SARA TITLE III
Section 302 & 303 (40 CFR 355):
Listed Substance: Not listed
 Reportable Quantity: Not applicable
 Planning Threshold: Not applicable

COMPONENTS: Humate
Section 311 & 312 (40 CFR 370):
 Hazard Categories **Fire:** N **Sudden Release** **Reactive:** N **Acute** **Chronic**
 (product): **of Pressure:** N **Health:** Y **Health:** N
 Planning threshold: NA

Section 313 (40 CFR 372):
Listed Toxic Chemical: No
 Reporting Threshold: NA

U.S. TSCA Status
Listed (40 CFR 710): No

State Regulations
State of California: Safe Drinking Water and Toxins Enforcement Act, 1986 (Proposition 65):
 Carcinogen: No
 Reproductive Toxin: No

Other Regulations
State Right To Know Laws: None Known

Canadian Regulations
Product Information:
 Controlled Product: **No**
 WHMIS Hazard Symbols: **NA**
 WHMIS Class & Division: **NA**

Ingredient Information:
 IDL Substance: No
 DSL or NDSL Lists: None

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® FA in a cool, dry, well ventilated, area away from incompatible materials and products.

MSDS Revision Information:

MSDS Distributed By: Bio Huma Netics, Inc.

Prepared by:	Anna Carpenter
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Date Prepared:	July 5, 2022
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