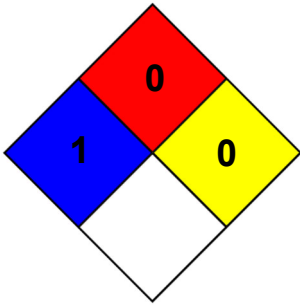


# HUMA<sup>®</sup> SAFETY DATA SHEET

## OM LIQUID FA

REV B 6/28/2023



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	B

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**PRODUCT IDENTIFIER:** OM LIQUID FA

**Product #** 753

**GENERAL USE:** Used as a part of a plant nutrition program.

**PRODUCT DESCRIPTION:** A slightly hazy brown liquid having a characteristic odor.

**SUPPLIER INFORMATION:** **Huma, 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 slightly hazy brown liquid having a characteristic odor.

**HAZARDS OVERVIEW:**

**CLASSIFICATION:** MILD SKIN IRRITATION – HAZARD CATEGORY 3

**SIGNAL WORD:** WARNING

**HAZARD STATEMENT:** H316 - WARNING - causes mild skin irritation.

**PRECAUTIONARY STATEMENT:** P332+P317—If skin irritation occurs, get emergency medical help.

**CLASSIFICATION:** HAZARD CATEGORY 5 - MAY BE HARMFUL IF SWALLOWED

**SIGNAL WORD:** WARNING

**HAZARD STATEMENT:** H303 - WARNING – may be harmful if swallowed.

**PRECAUTIONARY STATEMENT:** P301+P317—If swallowed, get emergency medical help.

### SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>OSHA HAZARD</u>	<u>WT %</u>	<u>ACGIH</u>		<u>OSHA</u>	
				<u>TLV (TWA)</u>	<u>STEL</u>	<u>PEL (TWA)</u>	<u>STEL</u>
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

<b>INHALATION:</b>	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.
<b>EYE CONTACT:</b>	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
<b>SKIN CONTACT:</b>	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.
<b>INGESTION:</b>	If swallowed, rinse mouth and slowly drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person.
<b>NOTE TO PHYSICIANS:</b>	Treat exposure symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

<b>Flashpoint and Method:</b>	This product does not flash.	
<b>Flammable Limits (in air, % by volume)</b>	<b>Lower:</b> Not applicable	<b>Upper:</b> Not applicable
<b>Autoignition Temperature:</b>	Not applicable	
<b>GENERAL HAZARD:</b>	This product is an aqueous, acidic solution of organic compounds. The Uniform Fire Code health hazard classification of this product is: <b>Irritant</b> . It may produce decomposition products.	
<b>FIRE FIGHTING INSTRUCTION:</b>	<b>EXTINGUISHING MEDIA:</b> Water, foam, CO <sub>2</sub> or dry chemicals. Use a water spray or fog to cool the containers exposed to the heat of a fire.	
<b>FIRE FIGHTING EQUIPMENT:</b>	Fire fighters should wear full protective equipment, including self-contained breathing apparatus.	
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	When heated to dryness and decomposition this product can emit toxic oxides of carbon.	

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>RELEASE TO LAND:</b>	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.
<b>RELEASE TO WATER:</b>	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

<b>STORAGE TEMPERATURE:</b>	Ambient	<b>STORAGE PRESSURE:</b>	Ambient
<b>GENERAL:</b>			

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

<b>Appearance:</b>	Slightly hazy brown	<b>Bulk Density (pounds/ft<sup>3</sup>):</b>	Not applicable
<b>Physical State:</b>	Liquid	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Slight sour	<b>Vapor Density (air=1):</b>	No data available
<b>Odor Threshold:</b>	Not applicable	<b>Evaporation Rate (n-Butyl Acetate=1)</b>	Less than 1
<b>Molecular Formula:</b>	Mixture	<b>VOC Content / Organic Matter:</b>	No data available / 2.3%
<b>Molecular Weight:</b>	Not applicable	<b>% Volatile:</b>	No data available
<b>Boiling Point:</b>	Greater than 100° C. (212 ° F.)	<b>Solubility in H<sub>2</sub>O:</b>	complete
<b>Freezing/Melting Point:</b>	Less than 0° C. (32 ° F.)	<b>Octanol/Water Partition Coefficient:</b>	No data available
<b>Specific Gravity:</b>	1.31 @ 20° C.	<b>pH (as is):</b>	4.0 – 5.0
<b>Density (pounds/gallon):</b>	Approximately 10.93 @ 68 ° F	<b>pH (1% solution):</b>	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 not sensitive to mechanical impact.

**SENSITIVITY TO STATIC DISCHARGE:** This product is not sensitive to static discharge.

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Components:</b>	<b>HUMATES</b>
<b>Eye Contact:</b>	May cause slight irritation
<b>Skin Contact:</b>	May cause slight irritation
<b>Oral Rat LD<sub>50</sub>:</b>	Non-toxic naturally occurring substance
<b>Dermal Rabbit LD<sub>50</sub>:</b>	No data available
<b>Inhalation Rat LC<sub>50</sub>:</b>	No data available
<b>Human Data:</b>	No data available
<b>Other Toxicological Data:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Mutagenicity:</b>	No data available
<b>Synergistic Products:</b>	None reported
<b>Target Organs:</b>	Skin
<b>Medical Conditions Aggravated by Exposure:</b>	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

<b>DOT PROPER SHIPPING NAME:</b>	Not DOT Regulated (United States)		
	<b>Hazard Class:</b> Not applicable	<b>UN Number:</b> N/A	<b>Packaging Group:</b> N/A
	<b>Primary Label:</b> Not applicable	<b>Subsidiary Label(s):</b> None Required	
	<b>Primary/subsidiary Placards:</b> None Required		
<b>DOT Reportable Quantity (RQ):</b> Not Listed	<b>RQ for Product:</b> Not applicable		
<b>Marine Pollutant:</b> No			
<b>2012 North American Emergency Response Guidebook No.:</b>	Not applicable		
<b>TDG PROPER SHIPPING NAME:</b>	NOT RESTRICTED		
	<b>Hazard Class:</b> Not applicable	<b>UN Number:</b> N/A	<b>Packaging Group:</b> N/A
	<b>Primary Label:</b> None Required	<b>Subsidiary Label(s):</b> None Required	
	<b>Primary/subsidiary Placards:</b> None Required		
<b>TDG Reportable Quantity (RQ):*</b>	Not applicable		
<b>TDG Schedule XII:</b>	Not applicable		
<b>Regulated Limit (RL): **</b> Not Listed	<b>RL for Product:</b> Not applicable		
<b>Other Shipping Information:</b>	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 OM Liquid FA in a cool, dry, well ventilated, area away from incompatible materials and products.

**MSDS Revision Information:** 6/28/2023

**MSDS Distributed By:** Huma, Inc.

**Prepared by:** Anna Carpenter

**Date Prepared:** July 5, 2022

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