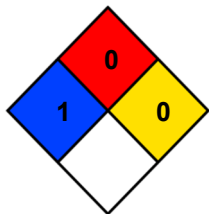




SAFETY DATA SHEET

MICROMATE



HMIS	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PPE	E

SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: MICROMATE	Product #644				
GENERAL USE:	Used as a part of a plant nutrition program.				
PRODUCT DESCRIPTION:	A dark reddish brown to black particles/dust having no odor.				
SUPPLIER INFORMATION:	<table border="1"> <tr> <td> Huma[®], Inc. 1331 W Houston Avenue Gilbert, AZ 85233 PHONE: (480) 961-1220 </td> <td style="text-align: center; color: red; font-weight: bold;"> EMERGENCY PHONE NUMBERS </td> </tr> <tr> <td> For Additional SDS call: (480) 961-1220 </td> <td> CHEMTREC: (In the USA) 800-424-9300 (International) 703-527-3887 </td> </tr> </table>	Huma[®], Inc. 1331 W Houston Avenue Gilbert, AZ 85233 PHONE: (480) 961-1220	EMERGENCY PHONE NUMBERS	For Additional SDS call: (480) 961-1220	CHEMTREC: (In the USA) 800-424-9300 (International) 703-527-3887
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SECTION 2: HAZARDS IDENTIFICATION

HAZARDS OVERVIEW:

A dark reddish brown to black particles/dust having no odor. Ingestion of this product may cause gastrointestinal irritation or pain. Inhalation of dust may cause respiratory irritation.

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: RESPIRATORY TRACT IRRITATION– HAZARD CATEGORY 3

SIGNAL WORD: WARNING

HAZARD STATEMENT: H335; May cause respiratory irritation.

PRECAUTIONARY STATEMENT: P261, P271; Avoid breathing dust. Use only outdoors or in a well-ventilated area. P304+P340, P319; IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical help if you feel unwell.

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

COMPONENT	CAS #	OSHA HAZARD	WT %	ACGIH		OSHA	
				TLV _(TWA)	STEL	PEL _(TWA)	STEL
Humate	1415-93-6	Nuisance dust	≥ 90%	None	None	5mg/m3 (respirable)	None
Clay Suspending Agent	proprietary		≤ 10%	None	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, 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:	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. 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, below the AIHA WEEL or levels that may cause irritation.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR: Respiratory protection is not normally required. If use produces dusts 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 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:	Dark reddish brown to black	Bulk Density (pounds/ft³):	39–40 lb/ft ³
Physical State:	Solid	Vapor Pressure:	No data available
Odor:	No 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):	Not applicable

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: None known

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

Components:	<u>Humate</u>
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

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	UN Number: N/A	Packing Group: N/A
	Hazard Class: Not applicable		
	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: 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

Section 311 & 312 (40 CFR 370):

Hazard Categories (**product**): **Fire: N Sudden Release of Pressure: N Reactive: N Acute Health: Y Chronic 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 MICROMATE 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: 8/8/2023

SDS Distributed by: Huma[®], Inc.

Prepared By: Anna Carpenter	Date Prepared: August 7 th 2017
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