

# Material Safety Data Sheet - U.S. Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (*As Used on Label and List*)  
**Humates** (also used: humus, oxidized lignite,  
leonardite)

**CAS #1415-93-6**

## Section I

Manufacturer's Name <b>Mesa Verde Resources</b>	Emergency Telephone Number <b>(505) 362-3718 daytime, (505)771-4988 after hrs.</b>
Address ( <i>Number, Street, City, State, and ZIP Code</i> ) <b>P.O. Box 1368, Placitas, NM 87043</b>	Telephone Number for Information <b>(505) 362-3718</b>
Date Prepared: <b>1/1/08</b>	Signature of Preparer ( <i>optional</i> )

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%( <i>optional</i> )
<b>NONE</b>				

## Section III - Physical/Chemical Characteristics

Boiling Point	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>1.6 – 1.8</b>
pH	<b>3.7</b>		
Vapor Pressure (mm Hg.)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water: <b>Slight</b>			
Appearance and Odor: <b>Dark reddish brown to black particles and/or dust</b>			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): <b>Non-combustible</b>	Flammable Limits: <b>N/A</b>	LEL: <b>N/A</b>	UEL: <b>N/A</b>
Extinguishing Media: <b>N/A</b>			
Special Fire Fighting Procedures: <b>N/A</b>			
Unusual Fire and Explosion Hazards: <b>NONE</b>			

(Reproduce locally)

OSHA 174, Sept. 1985

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid: <b>NONE</b>
	Stable	<b>X</b>	
Incompatibility ( <i>Materials to Avoid</i> ): <b>Urea</b>			
Hazardous Decomposition or Byproducts; <b>None</b>			
Hazardous Polymerization	May Occur		Conditions to Avoid <b>NONE</b>
	Will Not Occur	<b>X</b>	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?; <b>YES</b>	Skin? <b>NO</b>	Ingestion? <b>YES</b>
Health Hazards ( <i>Acute and Chronic</i> ): <b>Avoid dust inhalation. Use particulate respirator.</b>			
<b>Safe to inject in small quantities.</b>			
Carcinogenicity: <b>Unknown</b>	NTP? <b>N/A</b>	IARC Monographs? <b>None Known</b>	OSHA Regulated? <b>No</b>
Medical Conditions Generally Aggravated by Exposure: <b>Emphysema, allergies or upper-respiratory illnesses</b>			
Emergency and First Aid Procedures: <b>Should particles get in eye, wash with approved eyewash.</b>			

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: <b>Clean-up with shovel, broom &amp; dustpan.</b>
Waste Disposal Method: <b>Landfill or agricultural application.</b>
Precautions to Be taken in Handling and Storing: <b>No special precautions</b>
Other Precautions: <b>None</b>

## Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ): <b>Particulate respirator</b>		
Ventilation	Local Exhaust: <b>If in enclosed area</b>	Special: <b>N/A</b>
	Mechanical ( <i>General</i> ): <b>Regular</b>	Other: <b>N/A</b>
Protective Gloves: <b>None Required</b>		Eye Protection: <b>Approved safety glasses – particulate hazard</b>
Other Protective Clothing or Equipment: <b>N/A</b>		
Work/Hygienic Practices: <b>Good housekeeping to minimize dust.</b>		