

Material Safety Data Sheet
Midwestern Bio-Ag Products and Services, Inc.

Trade Name: HumaCal
Registration: none

Section 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer: Midwestern Bio-Ag Products and Services, Inc., 10955 Blackhawk Dr., Blue Mounds, WI 53517
Product Name: HumaCal
Common Name: non-synthetic calcium carbonate, gypsum and charcoal
Chemical Type: Natural mineral ores
Emergency Phone: 608-437-4994
Non-Hazardous

Chemical Name	C.A.S. No.	Chemical Formula	OSHA PEL
High Calcium Lime	471-34-1	CaCO ₃	5 mg/m ³
Gypsum	10101-41-4	CaSO ₄ + 2H ₂ O	5 mg/m ³
Plant Charcoal	16291-96-6	C	10 mg/m ³

Section 3

HAZARDOUS IDENTIFICATION

Ingestion: Non-toxic. No information listed.
Inhalation: May cause aggravation in a dusty environment.
Eye Contact: May cause minor abrasions.
Skin Absorption: Not absorbed through the skin.
Skin Contact: May cause minor local discomfort with prolonged contact.

Section 4

FIRST AID MEASURES

Ingestion: Give 2-3 glasses of water and induce vomiting. Call a physician.
Inhalation: Dust may cause slight discomfort that will disappear at end of exposure. If condition persists, seek medical attention.
Eyes: Flush with running water for 15 minutes. If condition persists, get medical attention.
Skin: Wash skin with soap and water. If condition persists, get medical attention.

Section 5

FIRE FIGHTING MEASURES

Extinguishing Media: Fine mist of water from above the material.
Special Fire Fighting Procedures: Fine mist the water allowing it to fall vertically on the material to eliminate oxygen.
Unusual fire and Explosion Hazards: Do not use a stream of high pressure water or water droplets.
Do not disturb the material in any way that increases its exposure to oxygen.

Section 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: None.
Steps to be taken in case material is released or spilled: Recycle and reuse.

Section 7

HANDLING AND STORAGE

Precautions to be taken in handling and storage: Prevent spillage. Clean up with broom or vacuum cleaner. Use good house cleaning practices.

Section 8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Protection: As needed to remove dust from exposed areas.
Respiratory Protection: Use dust respirator mask.
Protective Clothing: Normal work clothing.
Eye Protection: Safety glasses with side shields or goggles.
Other: Eyewash fountain. Soap and water.

Section 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable	Solubility in water: Insoluble
Density: 60 lbs/ft ³	% Volatiles by Volume: Not Applicable
Flashpoint: Unknown	Vapor Pressure, mm Hg: Not applicable
pH: 6.4	Reaction with water: None
Appearance: dark brown to black pellets	Extinguishing Media: Fine Mist of Water from above material

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Section 10 STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable.
Conditions to Avoid: Prolonged temperatures over 275 ° F.
Materials to Avoid: Strong acids or strong alkali.
Hazardous Decomposition Products: Carbon dioxide
Hazardous Polymerization: Will not occur.

Section 11 TOXICOLOGY INFORMATION

Charcoal will detoxify most known toxins. Calcium and sulfates are benign.

Section 12 ECOLOGICAL INFORMATION

Composed of natural non-toxic materials. Approved for organic food production by the United States Department of Agriculture, Organic Food Production Act of 1990 (7 C.F.R. Part 205)

Section 13 DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Consult local, state and federal regulations.

Section 14 TRANSPORT INFORMATION

Shipping Name:	HumaCal	C.A.S. Number:	None
Hazard Class:	n/a	D.O.T. Number:	None
Reportable Quantity (RQ):	None	Haz Waste No:	None
Labels Required:	None	EPA Reqist No:	None
Placard:	None		

Section 15 REGULATORY INFORMATION

Carcinogenicity: Not on the 302 list of reportable quantities.

Section 16 OTHER INFORMATION

Flash Point:	Not applicable	Flammable Limits:	Not applicable	Lower	Upper
Autoignition Temperature:	>275 ^o F				
Hazard Rating: (N.F.P.A.):	Health: 1	Fire: 0	Reactivity: 0	Specific:	

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