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

Section 1
CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: Midwestern Bio-Ag
10851 Highway 1D
Blue Mounds, WI 53517

Product Name: Bio-Cal
Common Name: Ag-liming agent
Chemical Type: Mineral base

Emergency Phone: 808-437-4994

Section 2
COMPOSITION / INFORMATION ON INGREDIENTS

C.A.S. No. Chemical Formula
Non-Hazardous
Calcium carbonates 471-34-1 \( \text{CaCO}_3 \)
Calcium sulfate 7778-18-9 \( \text{CaSO}_4 \cdot \text{H}_2\text{O} \)
Calcium sulfate anhydrite 7778-18-9 \( \text{CaSO}_4 \)

Hazardous
Calcium hydroxide 1305-62-0 \( \text{Ca(OH)}_2 \)

Section 3
HAZARDOUS IDENTIFICATION

Ingestion: Gastric irritant. Ingestion may be followed by vomiting or diarrhea.
Inhalation: Reparatory tract irritation may occur.
Eye Contact: Mild corrosive.
Skin Contact: May cause minor local discomfort with prolonged contact.

Section 4
FIRST AID MEASURES

Ingestion: DO NOT induce vomiting. Give 2-3 glasses of milk or water. Call a physician.
Inhalation: Dust may cause irritation or burning sensation. If condition persists, seek medical attention.
Eyes: Flush with running water for 15 minutes. If condition persists, get medical attention.
Skin: Wipe off excess material, and then wash skin with soap and water. If condition persists, get medical attention.

Section 5
FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish the source of the fire.
Special Fire Fighting Procedures: Use media suitable to extinguish the source of the fire.
Unusual fire and Explosion Hazards: Wear full protective clothing.

Section 6
ACCIDENTAL RELEASE MEASURES

Environmental Precautions: May be diluted with water or swept up dry and put into container or recycled. Do not apply directly to waterways or bodies of water.

Section 7
HANDLING AND STORAGE

Precautions: Prevent spillage, use good personal hygiene and work 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 that fully protects exposed areas.
Eye Protection: Safety glasses with side shields or goggles.
Other: Eyewash fountain.
Section 9  
**PHYSICAL AND CHEMICAL PROPERTIES**

- Boiling Point: Not Applicable
- Density: 2.65 g/cm³
- pH: 11.5
- Appearance: Light granular
- Solubility in water: 10%
- Flashpoint: Non-flammable
- Reaction with water: None
- Extinguishing Media: Non-flammable

Section 10  
**STABILITY AND REACTIVITY**

- Contact with ammonium or nitrate compounds (fertilizers) will release ammonia gas.
- Materials to Avoid: Strong acids.
- Hazardous Decomposition Products: If heated beyond 600°C, potential for CaO gas fumes.
- Hazardous Polymerization: Will not occur.

Section 11  
**TOXICOLOGY INFORMATION**

None listed.

Section 12  
**ECOLOGICAL INFORMATION**

None listed

Section 13  
**DISPOSAL CONSIDERATIONS**

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

Section 14  
**TRANSPORT INFORMATION**

- Shipping Name: Lime, limestone, gypsum
- C.A.S. Number: None
- D.O.T. Number: None
- Haz Waste No: None
- EPA Regist No: None
- Reportable Quantity (RQ): None
- Labels Required: None
- Placard: None

Section 15  
**REGULATORY INFORMATION**

- Carcinogenicity: IARC No
- NTP No
- Not on the DOT list of reportable quantities.

Section 16  
**OTHER INFORMATION**

- Flash Point: Not applicable
- Autoignition Temperature: Not applicable
- Flammable Limits: Not applicable

Disclaimer: This information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. No representations, warranty or guarantee is made as to its accuracy, reliability or completeness. No warranty of merchantability, fitness for any particular purpose or any other warranty, express or implied is made concerning the information herein provided.

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