

**SAFETY DATA SHEET (SDS)**

Agro-K Corporation

**I. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Clean Biomax  
 Common Name: Liquid fertilizer  
 Identified Uses: Intended for agriculture. Not for human consumption.

Supplier: AGRO-K CORPORATION  
 8030 MAIN STREET NE  
 MINNEAPOLIS, MN 55432  
 Telephone: (763) 780-4116 / (800) 328-2418  
 FAX: (763) 780-4316

CHEMTREC  
 Emergency Telephone: (800) 424-9300

**II. HAZARDS IDENTIFICATION**

Classification:  
 Skin Irritant 1 H317  
 Eye Irritant 2A H319  
 Respiratory Sens. 1 H334  
 Carcinogenicity 2 H351



Hazard pictogram:

Signal word: Danger

Hazard statements: H317 – May cause an allergic skin reaction  
 H319 – Causes eye irritation  
 H334 – May cause allergy, asthma symptoms, or breathing difficulties if inhaled  
 H402 – Suspected of causing cancer

Precautionary statements: P261 – Avoid breathing vapors/fume/mist/spray  
 P272 – Contaminate clothing should not be allowed out of workplace  
 P264 – Wash thoroughly after handling  
 P285 – Use respirator if in area with inadequate ventilation  
 P280 – Wear protective gloves/clothing/eyewear/face  
 P302+P352 – If on skin: Wash with plenty of soap and water  
 P304+P340 – If inhaled: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P342+P311 – If experiencing respiratory symptoms or feeling unwell, call a poison center/doctor  
 P332+P313 – If skin irritation occurs: Get medical advice/attention  
 P337+P313 – If eye irritation occurs: Get medical advice/attention  
 P362 – Take off contaminated clothing and wash before reuse  
 P501 – Dispose of contents/container in accordance with local/regional/national regulations

**III. COMPOSITION/INFORMATION ON INGREDIENTS**

Blend of the following ingredients:

| Chemical Compound | CAS Number |
|-------------------|------------|
| Cobalt Sulfate    | 10026-24-1 |
| Zinc Sulfate      | 7446-19-7  |

\*Ingredients not specifically listed are non-hazardous and are considered to be confidential

---

#### IV. FIRST AID MEASURES

---

|               |   |
|---------------|---|
| If in Eyes:   | Hold eyelid open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation develops and persists, call a poison control center or doctor immediately for treatment advice. |
| If on Skin:   | Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes. If irritation persists, call a poison control center or doctor immediately for treatment advice.  |
| If Swallowed: | Give large quantities of water and induce vomiting. Do not give anything to an unconscious or convulsing person. Call a poison control center or doctor immediately for treatment advice.   |

Hotline Number: Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency, call ChemTrec at 1-800-424-9300.

---

#### V. FIRE FIGHTING MEASURES

---

|                               |  |
|-------------------------------|--|
| Firefighting notes:           | Material will not burn.                                |
| Suitable extinguishing media: | Use extinguishing media for surrounding cause of fire. |

---

#### VI. ACCIDENTAL RELEASE MEASURES

---

|                  |   |
|------------------|---|
| Spill procedure: | Capture product and reuse material if uncontaminated. If contaminated, place in a suitable container for proper disposal. |
| Clean-up         | Mop, vacuum, scoop, or sweep up material and place in container for disposal.   |

---

#### VII. HANDLING AND STORAGE

---

|                                |   |
|--------------------------------|---|
| Precautions for safe handling: | Keep out of reach of children.  |
| Storage Conditions:            | Keep in closed container and properly labeled. May be corrosive to copper, brass or mild steel. |

---

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

|                    |   |
|--------------------|---|
| Hand protection:   | Wash thoroughly after handling.   |
| Eye protection:    | Wear protective eyewear if exposure is expected.  |
| Other information: | Do not eat, drink, or use tobacco during use. Practice good hygiene after use of this material; especially before eating, drinking, smoking, using the toilet, or applying cosmetics. |

---

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

---

|                         |                            |
|-------------------------|----------------------------|
| Physical description:   | Liquid                     |
| Color:                  | Dark amber brown.          |
| Odor:                   | Slightly sweet             |
| Odor threshold:         | No data available          |
| Vapor density:          | No data available          |
| pH:                     | No data available          |
| Relative density:       | 1.06                       |
| Melting/freezing point: | 0 degrees C (32 degrees F) |
| Solubility:             | Soluble in water           |
| Boiling point:          | No data available          |
| Flash point:            | No data available          |

|                            |                   |
|----------------------------|-------------------|
| Flammability:              | No data available |
| Vapor Pressure:            | No data available |
| Partition coefficient:     | No data available |
| Auto-ignition temperature: | No data available |
| Viscosity:                 | No data available |

## X. STABILITY AND REACTIVITY

|                                       |                       |
|---------------------------------------|-----------------------|
| Chemical stability:                   | Stable.               |
| Conditions to avoid:                  | None currently known. |
| Incompatibility with other materials: | None currently known. |
| Hazardous combustion:                 | Will not occur.       |
| Hazardous polymerization:             | Will not occur.       |

## XI. TOXICOLOGY

Acute toxicity

LD50 Oral - Rat - 582 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Behavioral:Ataxia. Diarrhoea

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitisation

Germ cell mutagenicity

Hamster

Embryo

Micronucleus test

Carcinogenicity

This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Possible human carcinogen

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Cobalt(II) sulfate heptahydrate)

2B - Group 2B: Possibly carcinogenic to humans (Cobalt(II) sulfate heptahydrate)

NTP: Reasonably anticipated to be a human carcinogen (Cobalt(II) sulfate heptahydrate)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Presumed human reproductive toxicant

Reproductive toxicity - Mouse - Inhalation

Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count). Paternal Effects:

Testes, epididymis, sperm duct.

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: GG3200000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

---

**XII. ECOLOGICAL INFORMATION**


---

|                                   |  |
|-----------------------------------|--|
| <b>Aquatic ecotoxicity:</b>       | No data available                                |
| <b>Biodegradability:</b>          | No data available                                |
| <b>Environmental Precautions:</b> | No known significant effects or critical hazards |
| <b>Mobility:</b>                  | Not available                                    |
| <b>Other Adverse Effects:</b>     | No known significant effects or critical hazards |

---

**XIII. DISPOSAL CONSIDERATIONS**


---

Waste Disposal Method: This material must be disposed of according to federal, state, or local procedures under the resource conservation and recovery act.

**FERTILIZER DISPOSAL:** Use according to label instructions, contact your State or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

***Nonrefillable container:***

Do not reuse or refill this container. Then offer for recycling if available, or puncture and dispose in a sanitary landfill, or by other procedures approved by state and local authorities. If rinsed cannot be used, follow fertilizer disposal instructions. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 % full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times

---

**XIV. TRANSPORT INFORMATION**


---

|                     |                      |
|---------------------|----------------------|
| Shipping Name:      | Not regulated by DOT |
| Hazard Class:       | None                 |
| Identification No.: | None                 |
| Labels Required:    | None                 |
| Placarding:         | None                 |

---

**XV. REGULATORY INFORMATION**


---

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Cobalt(II) sulfate heptahydrate

CAS-No.

10026-24-1

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Cobalt(II) sulfate heptahydrate

CAS-No.

10026-24-1

New Jersey Right To Know Components

Cobalt(II) sulfate heptahydrate

CAS-No.

10026-24-1

California Prop. 65 Components

WARNING! This product contains a chemical known to the  
State of California to cause cancer.

Cobalt(II) sulfate heptahydrate

CAS-No.

10026-24-1

---

## XVI. OTHER INFORMATION

---

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of Agro-K, Corporation knowledge. Agro-K, Corporation makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

Last Revised: February 11, 2016