

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Product Identifier BIOSERUM | | [WHMIS Classification] | |
| Product Use SOIL AMENDMENT | | | |
| Manufacturer's Name BIOVANTE | | Supplier's Name BIOVANTE | |
| Street Address 601 S WALNUT STE B | | Street Address 601 S WALNUT STE B | |
| City BERNIE | | State MO | City BERNIE |
| Postal Code 63822 | | Manufacturer's Telephone 573-625-8500 | Emergency Telephone 1-800-262-8200 (Chem Trec) |
| Date SDS Prepared 3/9/15 | | SDS Prepared By Midwest Laboratories, Inc. | Phone Number 402-334-7770 |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous Ingredients (<i>specific</i>) | % | CAS Number | LD ₅₀ of Ingredient (<i>specify species and route</i>) | LC ₅₀ of Ingredient (<i>specify species</i>) |
|---|-----|------------|--|---|
| None known | N/A | N/A | N/A | N/A |
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SECTION 3 — HAZARDS IDENTIFICATION

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|---|--|---|---|-------------------------------------|------------------------------------|
| Route of Entry | <input checked="" type="checkbox"/> Skin Contact | <input checked="" type="checkbox"/> Skin Absorption | <input checked="" type="checkbox"/> Eye Contact | <input type="checkbox"/> Inhalation | <input type="checkbox"/> Ingestion |
| Emergency Overview Material, when handled properly, should not require emergency precautions. | | | | | |
| WHMIS Symbols | | | | | |
| <p>Flammability</p> <p>Health</p> <p>Instability</p> | | | | | |
| Potential Health Effects Skin and eye irritations if individual is hypersensitive to carrier or active ingredient. | | | | | |

SECTION 4 — FIRST AID MEASURES

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| Skin Contact Flush with water. Contact physician if irritation persists. |
| Eye Contact Flush with water. Contact physician if irritation persists. |
| Inhalation Remove to fresh air. |
| Ingestion N/A |

SECTION 5 — FIRE FIGHTING MEASURES

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|--|------------------------------|--|---------------------------------|--|
| Flammable | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | If yes, under which conditions? | |
| Means of Extinction Foam or CO ₂ | | | | |
| Flashpoint (° C) and Method > 100°C by ASTM D92 | | Upper Flammable Limit (% by volume) Not tested | | Lower Flammable Limit (% by volume) Not tested |
| Autoignition Temperature (°C) Not Flammable | | Explosion Data — Sensitivity to Impact Dust may cause dust explosion in confined areas. | | Explosion Data — Sensitivity to Static Discharge Dust may cause dust explosion in confined areas. |
| Hazardous Combustion Products No known hazardous combustion products. | | | | |
| [NFPA] Not listed | | | | |

SECTION 6 — ACCIDENTAL RELEASE MEASURES

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| Leak and Spill Procedures Material can be scooped into a dumpster and prevent entry to waters of the state or storm sewers. |
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SECTION 7 — HANDLING AND STORAGE

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| Handling Procedures and Equipment No special handling required. Avoid formation of dust. |
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| Storage Requirements Store in a cool, dry place. |
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SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

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| Exposure Limits | <input type="checkbox"/> ACGIH TLV Not listed | <input type="checkbox"/> OSHA PEL | <input type="checkbox"/> Other (specify) NIOSH |
| Specific Engineering Controls (such as ventilation, enclosed process) No special engineering controls required, but prevent formation of dust in enclosed environments to prevent dust explosion. | | | |
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| Personal Protective Equipment | <input checked="" type="checkbox"/> Gloves | <input type="checkbox"/> Respirator | <input checked="" type="checkbox"/> Eye |
| | | <input type="checkbox"/> Footwear | <input type="checkbox"/> Clothing |
| | | | <input type="checkbox"/> Other |
| If checked, please specify type General purpose gloves if handling in large quantities. Always wear protective eyewear. Individuals hypersensitive to product should wear clothing to protect skin. | | | |
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SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State Solid | Odor and Appearance Slight off-white powder with no odor | Odor Threshold (ppm) Not tested |
| Specific Gravity 0.465 g/cc | Vapor Density (air = 1) N/A Solid | Vapor Pressure (mmHg) N/A Solid |
| Evaporation Rate N/A Solid | Boiling Point (° C) N/A Solid | Freezing Point (° C) N/A Solid |
| pH 6.8 S.U. | Coefficient of Water/Oil Distribution N/A | [Solubility in Water] Very slightly |

SECTION 10 — STABILITY AND REACTIVITY

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|---|---|--|
| Chemical Stability | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If no, under which conditions? |
| Incompatibility with Other Substances | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If yes, which ones? Strong oxidizers. |
| Reactivity and under what conditions? Non-reactive to acid, base, and water. | | |
| Hazardous Decomposition Products No known hazardous decomposition products. | | |

SECTION 11 — TOXICOLOGICAL INFORMATION

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| Effects of Acute Exposure No specific conditions. If allergic, could exhibit symptoms of watery eyes and skin irritation. | |
| Effects of chronic exposure No known chronic effects. | |
| Irritancy of Product Mild irritant | |
| Skin sensitization Mild sensitizer | Respiratory sensitization Mild sensitizer |
| Carcinogenicity-IARC Not listed | Carcinogenicity - ACGIH Not listed |
| Reproductive toxicity Not listed | Teratogenicity Not listed |
| Embrototoxicity Not listed | Mutagenicity Not listed |
| Name of synergistic products/effects None known | |

SECTION 12 — ECOLOGICAL INFORMATION

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| [Aquatic Toxicity] No known aquatic toxicity. |
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SECTION 13 — DISPOSAL CONSIDERATIONS

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| [Water Disposal] Must be disposed of in accordance with federal, state, and local environmental control regulations. Absorbed material may be placed in a licensed municipal landfill or applied as a land farm material. |
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SECTION 14 — TRANSPORT INFORMATION

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| Special Shipping Information No special shipping requirements. Avoid dust formation during transport. | |
| | PIN |
| TDG Not listed | [DOT] Not listed |
| [IMO] Not listed | [ICAO] Not listed |

SECTION 15 — REGULATORY INFORMATION

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| [WHMIS Classification] Not listed | [OSHA] Not listed |
| [SERA] Not listed | [TSCA] Not listed |
| <i>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.</i> | |

SECTION 16 — OTHER INFORMATION

This information hereby is furnished without warranty of any kind. Individual handling the product should only use this information as supplemental information to others gathered. The information used by the parties handling and using the product need to be aware of proper use and disposal of the material.