

SAFETY DATA SHEETS

This SDS packet was issued with item:

078464050

N/A

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 Consulted for specific requirements.

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| IDENTITY (As used on Label and List) Kenney Equine Semen Extender with Gentamicin - 01500 | <i>Note:</i> Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
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Section 1

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|--|---|
| Manufacturer's Name MAI P/S Division | Emergency Telephone Number 715-778-5822 |
| Address (Number, Street, City, State and Zip Code) P.O> Box 39 | Telephone Number for Information 715-778-5822 |
| Spring Valley, WI 54767 | Date Prepared 08/27/2012 |
| | Signature of Preparer (<i>optional</i>) |

Section II – Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical identity; Common Names(s)) | | | | | Other limits |
|--|----------------|--------------------------|----------|-----------|--------------|
| Chemical Name | Common Name(s) | CAS Number | OSHA PEL | ACGIH TLV | Recommended |
| Dextrose | | 921-60-8 | | | |
| Nonfat Dry Milk | | No Data Available | | | |
| Gentamicin | | 1403-66-3 | | | |
| Bicarbonate of Soda | | 144-55-8 | | | |
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Section III – Physical/Chemical Characteristics

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| Boiling Point No Data | | Specific Gravity (H2O =1) No Data | |
| Vapor Pressure (mm Hg.) 0.01 hPa | | Melting Point No Data | |
| Vapor Density (Air = 1) 2.2 g/l | | Evaporation Rate (Butyl Acetate = 1) No Data | |
| Solubility in Water Solid | | | |
| Appearance and Odor Physical State: Solid | | | |

Section IV – Fire and Explosion Hazard Data

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|--|------------------------------------|----------------|----------------|
| Flammability: Unknown | Flammable Limits No data | LEL Unknown | UEL Unknown |
| Extinguishing Media: Noncombustible | | | |
| Special Fire Fighting Procedures: | | | |
| Use extinguishing media appropriate to surrounding fire conditions. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. | | | |
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Section V – Reactivity Data

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|---|----------------|----------|---------------------------------------|
| Stability | Unstable | | Conditions to Avoid |
| | Stable | X | Omits Carbon Monoxide, Carbon Dioxide |
| Incompatibility (Materials to Avoid) Hygroscopic | | | |
| Hazardous Decomposition or | | | |
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | Will Not Occur | X | |

Section VI – Health Hazard Data

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|---|-------------|----------|------------|----------|
| Route(s) of Entry: | Inhalation? | Skin? | Ingestion? | Eyes? |
| | X | X | X | X |
| Health Hazards (<i>Acute and Chronic</i>) May be harmful by inhalation, ingestion or skin absorption. Causes eye and skin irritation. Material may be irritating to mucous membranes and upper respiratory tract. Aminoglycosides are associated with significant nephrotoxicity and /or photo toxicity. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburn like responses to edematous, vesiculated lesions or bullae exposure can cause nausea and vomiting. Chronic effects: May cause congenital malformation in the fetus. Target Organ (S): Ears, Kidneys, and nerves. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. | | | | |
| Product is not intended for human consumption. | | | | |

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|--|------|------------------|-----------------|
| Carcinogenicity: | NTP? | IARC Monographs? | OSHA Regulated? |
| Signs and Symptoms of Exposure Material may be irritating to mucous membranes and upper respiratory tract. Aminoglycosides are associated with significant nephrotoxicity and /or photo toxicity. Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburn like responses to edematous, vesiculated lesions or bullae exposure can cause nausea and vomiting. Chronic effects: May cause congenital malformation in the fetus. Target Organ (S): Ears, Kidneys, and nerves. To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. | | | |
| Medical Conditions Generally Aggravated by Exposure Ears, Kidneys and Nerves | | | |
| Emergency and First Aid Procedures In case of contact immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. If swallowed, wash out mouth with water provided person is conscious. Call a physician. Wash contaminated clothing before reuse. | | | |

Section VII – Precautions for Safe Handling and Use

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| Steps to Be Taken in Case Material is Released or Spilled: Evacuate area, .Wear respirator, chemical safety goggles, boots and heavy gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. |
| Waste Disposal Method per your state and federal regulations |
| Precautions to Be Taken in Handling and Storing Wear appropriate NIOSH/MSHA approved respirator, chemical - resistant gloves, safety goggles, other protective clothing. Use only in a chemical fume hood. Safety shower and eye bath. Do not breathe dust. Do not get in eyes or on skin, on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Keep tightly closed store in a cool dry place. Hygroscopic. |
| Other Precautions: No data available |

Section VIII – Control Measures

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| Respiratory Protection (<i>Specify Type</i>) NIOSH Approved Respirator | | |
| Ventilation | Local Exhaust Chemical Ventilation Hood | Special No Data |
| | Mechanical (<i>General</i>) No Data | Other Boots |
| Protective Gloves Heavy Gloves | Eye Protection Safety Goggles | |

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| Other Protective Clothing or Equipment |
| No other data available |
| Work/Hygienic Practices |
| Store in a dry cool place. Keep tightly closed. |

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Reasonable care has been taken in the preparation of this document, but no warranties are extended and no representation made as to the accuracy or completeness of the information. Since _____Genesis _____Industries has no control over the ultimate use of this product, it is the responsibility of the user to determine the conditions of its safe use.

Safety Data Sheet

Section 1: Identification of the substance or mixture and of the supplier. Includes GHS product identifier, recommended use and restrictions on use, supplier's details, emergency contact information.

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| Product Name: | Dr. Kenny Equine Semen Extender Without Antibiotic |
| Company Name: | MAI P/S Division |
| Address: | P.O. Box 39 |
| City, State, Zip: | Spring Valley, WI 54767 |
| Phone: | 715-778-5822 |
| In case of Emergency Contact: | 1-800-222-1222 |
| Contact: | Poison Control Center |

Section 2: Hazards identification. Includes GHS classification, GHS label elements, and other hazards not resulting in classification or not covered by GHS.

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|--|---|------------------|--------------|------------------|----------------|--------------------|----------------|--------------------|-------------|-------------------|
| Form: | <table border="1"> <tr> <td>Solid</td> <td>Liquid</td> <td>Gas</td> </tr> <tr> <td>X</td> <td>NA</td> <td>NA</td> </tr> </table> | Solid | Liquid | Gas | X | NA | NA | | | |
| Solid | Liquid | Gas | | | | | | | | |
| X | NA | NA | | | | | | | | |
| GHS Classification: | <table border="1"> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>X</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </table> | N/A | N/A | N/A | N/A | X | N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A | X | N/A | N/A | N/A | N/A | | |
| GHS Classification: | | | | | | | | | | |
| GHS Label Element: | <table border="1"> <tr> <td>Health Hazard</td> <td>Flame</td> <td>Exclamation Mark</td> <td>Gas Cylinder</td> <td>Corrosion</td> <td>Exploding Bomb</td> <td>Skull & Crossbones</td> <td>Environment</td> <td>Flame Over Circle</td> </tr> </table> | Health Hazard | Flame | Exclamation Mark | Gas Cylinder | Corrosion | Exploding Bomb | Skull & Crossbones | Environment | Flame Over Circle |
| Health Hazard | Flame | Exclamation Mark | Gas Cylinder | Corrosion | Exploding Bomb | Skull & Crossbones | Environment | Flame Over Circle | | |
| Other hazards which do not result in classification: | None under normal conditions. | | | | | | | | | |
| Hazard Communication (29CFR 1910.1200) | Danger | | | | | | | | | |

Section 3: Composition/information on ingredients. Includes information on chemical ingredients, such as chemical identity and concentrations.

| Material Name | CAS Number | Concentration |
|--------------------|-------------|---------------|
| Dextrose | 50-99-7 | Proprietary |
| Skim Powdered Milk | 999999-99-4 | Proprietary |
| Sodium Bicarbonate | 144-55-8 | Proprietary |
| Gentamicin Sulfate | 1405-41-0 | |

Section 4: First aid measures. Includes description of necessary measures, most important symptoms/effects, and indication of immediate

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| General Advice: | Not intended for human consumption. |
| If Inhaled: | Allow victim to rest in a well ventilated area. Seek immediate medical attention. Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt, or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention. |
| In case of skin contact: | After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices and creases. |
| In case of eye contact: | Rinse cautiously with water for several minutes. Check for and remove any contacts lenses. Continue rinsing. Do not use eye ointment. Seek medical attention. |
| If swallowed: | Do not induce vomiting. Loosen tight clothing such as collar, tie, belt, or waistband. If the victim is not breathing, perform mouth to mouth resuscitation. Seek medical attention. |
| Most Important symptoms and | |

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| effects, both acute and delayed | |
| Note to physician | Contains gentamicin sulfate. |
| In case of Emergency - Contact: | NA |

Section 5: Firefighting measures. Includes suitable extinguishing techniques, specific hazards from fire, and special protective equipment

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| Suitable extinguishing techniques | Foam. Dry Chemical Powder. Carbon dioxide. Water Spray. Sand. |
| Un-suitable extinguishing techniques | Do not use a heavy water stream. |
| specific hazards for firefighters | NA |
| special protective equipment & precautions for firefighters | Use water spray or fog for cooling exposed containers. |
| Further Information | Do no enter fire area without proper protective equipment, including respiratory protection. |

Section 6: Accidental release measures. Includes precautions, protective equipment, emergency procedures, environmental precautions,

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| Environmental precautions, | |
| Personal precautions & protective equipment | Wear gloves, respirator when ventilation is inadequate, and face protection. |
| Emergency procedures | NA |
| Methods for containment & cleanup | Sweep up and dispose in accordance with local regulations |
| Further Accidental Release Notes | NA |

Section 7: Handling and storage. Includes Precautions for safe handling, and Conditions for safe storage, including any incompatibilities

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| Precautions for safe handling | Do not ingest. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or label. |
| Conditions for safe storage | Keep away from heat. Keep away from sources of ignition. Group all equipment containing material. |
| Any incompatibilities | Strong bases. Strong reducing agents, metals, combustible materials. |

Section 8: Exposure controls/personal protection. Includes Occupational exposure limits or Biological exposure limits, appropriate

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| Occupational exposure limits | Unknown |
| Biological exposure limits | Unknown |
| appropriate engineering controls | Emergency eye wash fountains. |
| Personal Protective Equipment (PPE) | Avoid all unnecessary exposure. |
| Respiratory | Wear respirator when ventilation is inadequate. |
| Hands | Wear protective gloves |
| Eyes | Wear safety glasses with side shields/ goggles |

Section 9: Physical and chemical properties. Includes the chemical's characteristics (appearance, odor, pH, flash point, vapor pressure,

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| Form | Solid |
| Color | Tan |
| Odor | Sugar |
| Odor Threshold | NA |
| Melting point | NA |

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| Boiling point/boiling range | NA |
| Density | NA |
| Bulk density | 600g/l |
| Vapor pressure | NA |
| Viscosity, dynamic | NA |
| Viscosity, kinematic | NA |
| Flow time | NA |
| Surface tension | NA |
| Miscibility with water | Yes |
| Water solubility | Yes |
| pH | 6.0-8.0 |
| Relative density | NA |
| Partition coefficient | NA |
| Solubility(ies) | Complete |
| Flash point | NA |
| Flammability (solid, gas) | NA |
| Explosion limits | NA |

Section 10: Stability and reactivity. Includes reactivity, chemical stability, possible hazardous reactions, conditions to avoid, incompatible

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| Conditions to avoid | Avoid moisture |
| Materials to avoid | Unstable on exposure to light or moisture. |
| Hazardous reactions | NA |
| Thermal decomposition | NA |
| Hazardous decomposition products | NA |
| Oxidizing properties | NA |

Section 11: Toxicological information. Includes routes of exposure, related symptoms, acute and chronic effects, and numerical measures

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|--------------------------|----|
| Carcinogenicity | NA |
| STOT - single exposure | NA |
| STOT - repeated exposure | NA |










Section 12: Ecological information. Includes Eco toxicity, persistence and degradability, bioaccumulative potential, mobility in soil, and other adverse effects.

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| General advise | NA |
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Section 13: Disposal considerations. Includes description of waste residues, and information on their safe handling and methods of disposal.

Follow federal, state, and local laws for proper disposal.

Section 14: Transport information. Includes UN number, UN proper shipping name, transport hazard classes, packing group, environmental hazards, transport in bulk, and special precautions.

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|----------------------------|---|---|---|---|--|---|---|---|---|
| GHS Classification: | N/A | N/A | N/A | N/A | X | N/A | N/A | N/A | N/A |
| GHS Classification: |  |  |  |  |  |  |  |  |  |
| GHS Label Element: | Health Hazard | Flame | Exclamation Mark | Gas Cylinder | Corrosion | Explosion Bomb | Skull & Crossbones | Environment | Flame Over Circle |

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|---|---------------|
| Land transport (CFR) | Not regulated |
| US Sea transport (IMDG) | Not regulated |
| US Air transport (ICAO / IATA cargo aircraft only) | Not regulated |
| US Air transport (ICAO / IATA passenger & cargo aircraft) | Not regulated |
| International IATA | NA |

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Section 15: Regulatory information. Includes safety, health and environmental regulations specific for the product in question.

US. EPA Emergency Planning & Community Right-to Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

Components: NA

US. EPA Emergency Planning & Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

Components: NA

US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components: NA

California Prop. 65

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects of other reproductive harm.

OSHA Hazcom Standard Rating: NA

Section 16: Other information. Includes information on the preparation and revision of the SDS.

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by MAI P/S Division to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. MAI P/S Division assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.