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| Appendix A: Hazardous Materials information for AUP #       |
| **Identity of Hazard**: Fatal Plus (Sodium Pentobarbital solution) |
| PI name:       | Building/Rooms:       | Vivarium:       |
| **Provide a short description of the reagent(s):** Fatal-Plus is a euthanasia solution suitable for all animals. It is administered by intravenous injection. Fatal-Plus solution is composed of Pentobarbital Sodium, Propylene Glycol, Ethyl Alcohol, and Benzyl Alcohol. Fatal-Plus is a controlled substance and requires registration with [EH&S Controlled Substances](https://ehs.ucr.edu/laboratory/chemical/controlled-substances) |
| **This material is hazardous for:**[ ]  Humans only[ ]  Animals only[x]  Humans and animals[ ]  For which animal species?       | **The reagent can be spread by:**[ ]  Blood[ ]  Feces/urine[ ]  Saliva/nasal droplets[x]  Does not leave animal[ ]  Other Click or tap here to enter text. |
| **Describe any human health risk associated with this agent:** Pentobarbital causes central nervous system effects similar to alcohol inebriation. Fatal-Plus has not been evaluated for carcinogenicity. This product effects the eyes, skin , respiratory tract, gastrointestinal tract, liver and cardiovascular, central nervous and reproductive systems. This product may cause eye or skin irritation. Ingestion of Fatal-Plus may cause adverse gastrointestinal, cardiovascular, liver, central nervous system, and reproductive effects. Symptoms include: headache, mental depression, drowsiness, dizziness, confusion, lack of muscular control, impaired judgement, sedation. In the case of severe overdoses, this product may cause respiratory and cardiovascular suppression, coma, and death. |
| **The precautions checked below apply to this experiment:**[ ]  The researcher or his/her technicians are responsible for the feeding and care of these animals.[ ]  The following items must be assumed to be contaminated with hazardous material and must be handled only by the researcher or his/her technicians.

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| [ ]  Cage[ ]  Water Bottle[ ]  Animal Carcasses | [ ]  Bedding[ ]  Other       |

[ ]  Cages must be autoclaved before cleaning.[ ]  Label cages and remove label after decontamination.[ ]  Animal Carcasses must be labeled and disposed of as follows:

|  |  |
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| [ ]  Incineration[ ]  Bag and Autoclave | [ ]  Biohazardous Waste Container[ ]  EH&S will pick up (x5528) |

[ ]  All contaminated waste (soiled bedding or other animal waste) must be properly labeled and disposed of as follows:

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| [ ]  Incineration[ ]  Bag and Autoclave | [ ]  Biohazardous Waste Container[ ]  EH&S will pick up (x5528) |

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| **Personal Protective Equipment (PPE) Required:**[ ]  The following PPE must be worn/used in the room or when handling animals:

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| [x]  Lab Coat/Coveralls[ ]  Shoe Covers/Booties[ ]  Disposable or Utility Gloves[ ]  Head Cover[ ]  NIOSH Certified Dust Mask | [ ]  Disinfectant Footbath[x]  Eye/Face Protection[ ]  NIOSH Certified Fitted Respirator; Type      [x]  Other Nitrile, Neoprene or Natural Rubber gloves |

[ ]  PPE must be removed before leaving the room.[ ]  PPE must be discarded or decontaminated at the end of the project.[x]  Hands, arms, and face must be thoroughly washed upon leaving the room.[ ]  Full shower, including washing of hair, must be taken upon leaving the room.[ ]  Decontaminate room (Inform Lead Animal Technician when cage and/or room can be returned to general use. |
| **Provide any other information needed to safely work in this designated area of research:**Fatal-Plus must be received, stored, maintained, and disposed of as a DEA Schedule II controlled substance. Users should wear lab coat (or vivarium-specific garb), safety glasses, and disposable nitrile, neoprene, or natural Rubber gloves when handling Fatal-Plus. |