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| Appendix A: Hazardous Materials information for AUP #       |
| **Identity of Hazard:** Clozapine N-oxide (CNO) |
| PI name:       | Building/Rooms:       | Vivarium:       |
| **Provide a short description of the reagent(s):** Clozapine N-oxide is a metabolite of clozapine that activate human muscarinic designer receptors. CNO is used in behavioral testing in mice as well as impairing locomotor activity among other uses. |
| **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       |
| **Describe any human health risk associated with this agent:** CNO is acutely toxic by ingestion. CNO can cause skin irritation, serious eye irritation, and respiratory irritation. |
| **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[x]  Disposable or Utility Gloves[ ]  Head Cover[ ]  NIOSH Certified Dust Mask | [ ]  Disinfectant Footbath[x]  Eye/Face Protection[ ]  NIOSH Certified Fitted Respirator; Type      [ ]  Other       |

[x]  PPE must be removed before leaving the room.[ ]  PPE must be discarded or decontaminated at the end of the project.[ ]  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:**Powdered CNO should be handled in a fume hood. Eye protection should be used when handling solutions of CNO. Nitrile Gloves should be used for handling CNO. If ingested immediately seek medical attention. CNO waste should be disposed of as hazardous chemical waste through EH&S.  |