

Hazardous Materials Classification Form

The safety approval for use of hazardous materials is based on completion of the following information and review and approval by BOTH:

1. Environmental Health and Safety and
2. Management of the Animal Care Facility where the animals will be housed

Upon completion of the following information:

1. Download this form and complete it
2. Save your completed copy (please be sure the protocol number and name of Principal Investigator is included above)
3. Return the completed form, along with your completed AVAU or amendment to Judy Lassiter, IACUC Administrator, at Administrative Services III, Box 7514, Judy_Lassiter@ncsu.edu, 919-515-7507
4. The IACUC Office will provide a copy of this form along with your application form to EH&S and the Animal Care Facility for review and approval

Section 1. Animals Will Be Housed at:

- CVM Lab Animal Resources Facility
- CVM Research Building
- CALS: Biological Resources Facility on North Campus
- CALS: Toxicology Facility on Centennial Campus
- CALS: University Field Labs
- Other (please list) _____

Section 2. For all agents administered, please identify/categorize the associated hazards:

- R- Radioisotopes? *Go to Section 4*
- PV - Pathogenic or viable organisms? BSL Level(s): _____ *Go to Section 4*
- EN - Engineered Nanomaterial (less than 100 nanometers in size) ?
See <http://www.ncsu.edu/ehs/nano/checklist.htm> *Go to Section 4*
- T - Toxic chemicals ? *Complete Sections 3 and 4*
- HT – Highly Toxic chemicals ? *Complete Sections 3 and 4*
- C - Carcinogens ? *Complete Sections 3 and 4*
- RP - Reproductive Hazards ? If yes, use designation below
- TR- Teratogens ?
- A - Abortifacants ?
- M - Mutagens ?
- Complete Sections 3 and 4*
- O - Other, please list

_____ *Complete Sections 3 and 4*

For people shipping or transporting hazardous materials in vehicles:

Training is required for anyone who ships or transports any quantity of hazardous chemicals or hazardous materials. Training is available at: <http://ncsu.edu/ehs/dot/>

For the manner in which materials are carried within the building:

Hazardous materials should be transferred within a building in a manner to reduce the potential of exposure. Please contact the animal care facility for any limitations or restrictions on the transfer of materials inside buildings.

Section 3. Chemical Hazard Awareness and Handling Procedures

You are asked to list in the following table the health effects of the compounds you will be administering as well as half lives of these materials in your test animals. This will be necessary to assist in selection of protective measures for those handling these compounds as well as those caring for the animals.

To assist you, those working with you, and those caring for animals and handling animal bedding, it is necessary to classify each material you will be using into its appropriate hazard category. Classification will assist you and those assisting with animal care in determining proper engineering controls, work practices, and protective equipment use.

Step 1 – Personnel involved with handling of hazardous chemicals are required to review the NC State on-line Chemical Hygiene Plan prior to protocol submission. http://www.ncsu.edu/ehs/www99/right/handsMan/lab/Draft_CHP_OSHA_Lab_Safety_Standard.pdf

List EACH of the references below that you checked to determine appropriate hazard ratings and handling procedures which you have included in your written procedures for handling which are requested below:

- Material Safety Data Sheet (MSDS) ?
- R-phrases from the MSDS ?
- R-phrases from International Chemical Safety Cards?
- NFPA rating from MSDS ?
- HMIS rating from MSDS ?
- NOEL from MSDS or literature ?
- LD50 or LC50 from MSDS or literature ?
- Proposition 65 list (carcinogens and reproductive hazards) ?
- Particularly Hazardous Substances List- (PHS) (systemic toxins, carcinogens, and reproductive hazards) ?
- Other, please list _____

For each reference checked above please insert ratings for each hazardous material applied in your protocol in the table below. In the case where you have no reference information, insert "U" for unknown in the appropriate box.

Note: Any information provided will be helpful in expediting the review process and may provide useful safety information to those administering the materials and those housing and caring for the animals.

Table 2 - Chemical Hazard Ratings

Name of Chemical to be administered	R-Phrases (list any provided on MSDS or International Chemical Safety Cards)	NFPA or HMIS Health Rating (list numerical health rating below)	LD50 or LC50 (please list test species and duration)*	Prop 65 or PHS Lists (simply check box below if one of these lists were used to identify mutagens or reproductive hazards)

Section 4. Personal Protective Equipment Requirements for All Agents

For each agent to be administered, describe in detail the precautions taken to protect people and animals in the environment, including handling practices for contaminated excreta, bedding and toxic metabolites. The various sections of the Chemical Hygiene Plan and Safety Manual (referenced in Step 1 above) should be helpful in providing this information. If additional agents are administered, please copy the last page to describe the PPE requirements. Your summary should include at a minimum the following:

(1.) Name of Agent Administered: _____ CAS no. _____ BSL _____

PPE Requirements for person ADMINISTERING AGENT:

How is this agent administered? _____

Hands: Glove Type: _____ Double-glove (Y/N): _____

See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/ppe/hand.html#chemical>

Body: Disposable garment closed at top with cuffed sleeves _____ Other _____

Eye/Face: _____

Feet: _____

Respiratory Protection: N95 _____ Half Mask (cartridge): _____

See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/resp/resp.html>

Engineering: Chemical Hood _____ Biological Safety Cabinet _____ Cage Change Station _____

Waste Disposal method for agent: Return to generator lab _____ Store in Facility _____ Other: _____

PPE Requirements for person handling **BEDDING**: (For Assistance contact Animal Care Facility)

Hands: Glove Type: _____ Double-glove (Y/N): _____
Body: Lab Coat Disposable Gown Other _____
Eye/Face: _____
Feet: _____
Respiratory Protection: N95 Half Mask(cartridge)
Disposal method for bedding: _____
Additional safety comments concerning this agent:

(2.) Name of Agent Administered: _____ CAS no. _____ BSL _____

PPE Requirements for person **ADMINISTERING AGENT**:

How is this agent administered? _____
Hands: Glove Type: _____ Double-glove (Y/N): _____
See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/ppe/hand.html#chemical>
Body: Disposable garment closed at top with cuffed sleeves Other _____
Eye/Face: _____
Feet: _____
Respiratory Protection: N95 Half Mask (cartridge):
See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/resp/resp.html>
Engineering: Chemical Hood Biological Safety Cabinet Cage Change Station
Waste Disposal method for agent: Return to generator lab Store in Facility Other: _____

PPE Requirements for person handling **BEDDING**: (For Assistance contact Animal Care Facility)

Hands: Glove Type: _____ Double-glove (Y/N): _____
Body: Lab Coat Disposable Gown Other _____
Eye/Face: _____
Feet: _____
Respiratory Protection: N95 Half Mask(cartridge)
Disposal method for bedding: _____
Additional safety comments concerning this agent:

(3.) Name of Agent Administered: _____ CAS no. _____ BSL _____

PPE Requirements for person **ADMINISTERING AGENT**:

How is this agent administered? _____
Hands: Glove Type: _____ Double-glove (Y/N): _____
See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/ppe/hand.html#chemical>
Body: Disposable garment closed at top with cuffed sleeves Other _____
Eye/Face: _____
Feet: _____
Respiratory Protection: N95 Half Mask (cartridge):
See <http://www.ncsu.edu/ehs/www99/right/handsMan/worker/resp/resp.html>
Engineering: Chemical Hood Biological Safety Cabinet Cage Change Station
Waste Disposal method for agent: Return to generator lab Store in Facility Other: _____

PPE Requirements for person handling **BEDDING**: (For Assistance contact Animal Care Facility)

Hands: Glove Type: _____ Double-glove (Y/N): _____
Body: Lab Coat Disposable Gown Other _____
Eye/Face: _____
Feet: _____
Respiratory Protection: N95 Half Mask(cartridge)
Disposal method for bedding: _____
Additional safety comments concerning this agent:
