

## Use of Urethane

### Purpose:

To provide guidance for the use of Urethane in the laboratory and animal facility environment.

### Precautions:

The following information can be used to complete the Safety section of your animal protocol.

1. Chemical hazard agents – (Identify the category of the chemical): (*Select the following*)
  - Carcinogen
2. Containment preparation – (Containment equipment required for the preparation of the chemical): (*Select both of the following*)
  - Fume Hood
3. Containment animals – (Containment equipment required for chemical administration and handling animals after exposure to the chemical): (*Select one of the following*)
  - No special containment needed
4. PPE needed - (for handling live animals, carcasses or animal waste/dirty bedding): (*Select all of the following*)
  - Exam gloves – nitrile
  - Safety glasses/goggles
  - Lab coat or disposable gown
5. Waste Disposal: (disposal of animal waste/dirty bedding from animals after exposure to the chemical) (*Select both options and include additional information for Other*)
  - Bag animal waste/dirty bedding and place sealed bag in secondary container and place secondary container in regular trash.
6. Carcass disposal: (*Select both options and include additional information for Other*)
  - Pick up by EH&S for incineration.
7. Chemical human risk: (*Add the following*):
  - Exposure to urethane has been associated with an increased risk of cancer.

**Additional Information:** Unused, expired, or unwanted mixtures of this compound that were intended to be applied to animals are regulated as a “Hazardous Waste Pharmaceuticals”. The unwanted portion should be contained (bagged or other sealed

container), labeled as a “Hazardous Waste Pharmaceuticals”, an applicable descriptor (flammable, toxic etc.), and the date first item is placed into the container. Varying waste pharmaceuticals can be placed into the same container and offered to UW-EHS for disposal. The waste items must be offered to UW-EHS within one year of the date on the container. Contact UW-EHS for disposal via the following link:

<https://ehs.wisc.edu/disposal-services/chemical-disposal/chemical-disposal-surplus-pick-up-form/>

#### References:

“Safety Data Sheet” Fisher Scientific [https://beta-static.fishersci.com/content/dam/fishersci/en\\_US/documents/programs/education/regulatory-documents/sds/chemicals/chemicals-u/S25830.pdf](https://beta-static.fishersci.com/content/dam/fishersci/en_US/documents/programs/education/regulatory-documents/sds/chemicals/chemicals-u/S25830.pdf)

