

Hazardous Material Transport

A **hazardous material** is any item or agent (biological, chemical, physical) which has the potential to cause harm to humans, animals, or the environment, either by itself or through interaction with other factors.

Any transport of these hazardous materials must comply with the following:

1. Chemicals

- a. Original DOT shipping container/packaging
 - i. Within Buildings
 1. No additional safety requirements needed.
 - ii. Between Building
 1. No additional safety requirements needed.
- b. Not contained in the original DOT shipping containers
 - i. Within Buildings
 1. Must be transported by a cart with sides and/or by hand carrier.
 - ii. Between Buildings
 1. Must be transported by a cart with sides and/or by hand carrier.
 2. Must be transported with secondary containment (A bottle of reagent inside a secondary unopened metal can or container with suitable absorbent material).
- c. Chemical Waste
 - i. Chemical waste can only be moved by those employees who have been trained in Hazardous waste Management transport. Contact ORC at d-ehs@jan.ucc.nau.edu.

2. Biologics – BSL-1, BSL-2 and BSL-3

- a. Original DOT shipping container/packaging
 - i. Within Buildings
 1. No additional safety requirements needed.
 - ii. Between Building
 1. No additional safety requirements needed.
- b. Not contained in the original DOT shipping containers
 - i. Within Buildings
 1. Must be transported in a sealed primary container, within a secondary container by a cart with sides and/or by hand carrier.
 - ii. Between Buildings
 1. Must be transported in a sealed primary container, within a secondary container that is all within a box or Rubbermaid type tub by a cart with sides and/or by hand carrier such as a cooler.

2. Must be transported with suitable absorbent material.
 3. If driving on public highways – must be packed in the DOT packaging for automobile transport.
- c. Level three agents and Select Agents
 - i. Cannot move within, between or around buildings - please contact the Responsible Official at 523-7268 for authorization, directions and instructions. This activity requires prior approval by the NAU IBC (Institutional Biosafety Committee) and/or the CDC (Centers for Disease Control in Atlanta).
 - d. Biologic Waste
3. Radiation
- a. Isotopes
 - i. All licensed radioactive material will be transported as specified in the users' Radioactive Material Permit issued by NAU's Radiation Safety Committee.
 - ii. At a minimum, all transport will use secondary containment and suitable absorbent material.
 - b. Radioactive Waste
 - i. Waste may only be transported by a member of NAU's Office of Regulatory Compliance (ORC). Contact ORC at d-ehs@jan.ucc.nau.edu.