

STANDARD OPERATING PROCEDURE OVERVIEW	
SOP TITLE:	USP 800: Hazardous Drug (HazD) Transport
ISSUANCE DATE:	December 1, 2019
REVISION DATE:	JANUARY 20, 2022
PROCESS OWNER:	System Pharmacy Operations
SOP NUMBER:	OHS.PHARM.SOP.054

BACKGROUND:

Hazardous drugs (HazD) that need to be transported must be labeled, stored, and handled in accordance with applicable federal, state, and local regulations. HazDs must be transported in a containers that minimize the risk of breakage or leakage.

This SOP excludes traditional shipping services such as FedEx, UPS, USPS, etc.

Drugs listed in the following NIOSH groups are considered hazardous drugs (HazD).

NIOSH Group 1: Antineoplastic drugs (AHFS Classification 10:00). Note that many of these drugs may pose a reproductive risk for susceptible populations.

NIOSH Group 2: Non-antineoplastic drugs that meet one or more of the NIOSH criteria for a hazardous drug. Note that some of these drugs may also pose a reproductive risk for susceptible populations.

NIOSH Group 3: Drugs that primarily pose a reproductive risk to men and women who are actively trying to conceive and women who are pregnant or breast feeding, because some of these drugs may be present in breast milk.

Drugs that are considered to be hazardous include those that exhibit one or more of the following six characteristics in humans or animals.

- Carcinogenicity
- Teratogenicity or other developmental toxicity
- Reproductive toxicity
- Organ toxicity at low doses
- Genotoxicity
- Structure and toxicity profiles of new drugs that mimic existing drugs determined hazardous by the above criteria.

Drugs on the NIOSH list that must follow the requirements of USP Chapter <800> include:

- Any HazD Active Pharmaceutical Ingredients (API)
- Any antineoplastic requiring HazD manipulation

Drugs on the NIOSH list that do not have to follow all of the containment strategies of USP Chapter <800> if an assessment of risk (AoR) is performed and implemented include:

- Final dosage forms of compounded HazD preparation and conventionally manufacturer HazD including antineoplastic dosage forms that do not require any further manipulation other than counting or repackaging (unless required by the manufacturer)

For dosage forms of other HazD on the NIOSH list, the entity may perform an AoR to determine alternative containment strategies and/or work practices.

NOTES (ASSUMPTIONS, EXCEPTIONS, ETC.):

The following medications must not be transported via pneumatic tube:

- All NIOSH Group 1 Drugs.
- NIOSH Group 2 and 3 Drugs that are in liquid form and/or have been manipulated into their final dosage form.

- HazD shall be prepared for transport as follows:
 - NIOSH Group 1 Drugs shall be placed in a resealable clear plastic bag with yellow (chemotherapy, cytotoxic) HazD labeling or sticker.
 - NIOSH Group 2 or 3 Drugs shall be placed in a resealable clear plastic bag or bin with blue HazD labeling or stickers.

USP 800 SOPs:

- OHS.PHARM.SOP.038 – USP 800: Hazardous Drug (HazD) Receiving
- OHS.PHARM.SOP.050 – USP 800: Garbing for Hazardous Drug (HazD) Compounding and Manipulation
- OHS.PHARM.SOP.051 – USP 800: Hazardous Drug (HazD) Spill Management in Pharmacy
- OHS.PHARM.SOP.052 – USP 800: Hazardous Drug (HazD) Waste Management in Pharmacy
- OHS.PHARM.SOP.053 – USP 800: Hazardous Drug (HazD) Formulary Review and Assessment of Risk
- OHS.PHARM.SOP.054 – USP 800: Hazardous Drug (HazD) Transport
- OHS.PHARM.SOP.055 – USP 800: Hazardous Drug (HazD) Storage
- OHS.PHARM.SOP.056 – USP 800: Hazardous Drug (HazD) Compounding, Manipulation, and Dispensing
- OHS.PHARM.SOP.057 – USP 800: Hazardous Drug (HazD) Surface Wipe Analysis in Pharmacy
- OHS.PHARM.SOP.058 – USP 800: Designated Person
- OHS.PHARM.SOP.059 – USP 800: Supply List
- OHS.PHARM.SOP.060 – USP 800: Hazardous Drug (HazD) Crushing and Splitting
- OHS.PHARM.SOP.014 – USP 795/797/800: Labeling of Compounded Sterile and Nonsterile Preparations
- OHS.PHARM.SOP.114 – USP 800: Cleaning and Disinfecting of the Hazardous Drug (HazD) Compounding Facility
- OHS.PHARM.SOP.115 – USP 800: OnGuard™ Closed Medication System with TEVADAPTOR®

PROCESS STEP:	DESCRIPTION:
1. TRANSPORT WITHIN PHARMACY	<ul style="list-style-type: none"> • Don 2 pair of ASTM D6978 gloves to transport HazDs unless transporting an intact pill, capsule, or tablet where only 1 pair of gloves is required. • Don 1 pair of white (Polyethylene) shoe covers if entering the negative receiving room to retrieve HazDs for transport. • Transport HazDs in appropriate resealable clear plastic bags or bins to reduce risk of breakage and facilitate spill containment. • If the HazDs will be transported into the C-SEC, wipe exterior surface of container or resealable bag with sterile 70% isopropyl alcohol. • Doff white (Polyethylene) shoe covers, the gloves prior to leaving the negative receiving room and discard in yellow trace RCRA waste container. • Gloves worn for transport of intact pills, capsules, or tablets may be disposed of in regular trash. • Wash hands with soap and water.

<p>2. TRANSPORT FROM NEGATIVE RECEIVING ROOM TO NEGATIVE BUFFER ROOM</p>	<ul style="list-style-type: none"> • Done a single pair of white (polyethylene) shoe covers. • Don 2 pair of ASTM D6978 gloves. • Wipe the exterior surface of the individual HazD carton or container with Peridox®RTU immediately prior to transporting it into the Negative Buffer Room. • HazD should be transported in a bin, tray, or resealable clear plastic bag, that has been wiped Peridox®RTU, to reduce risk of breakage and facilitate spill containment. • Doff the shoe covers and gloves prior to leaving the negative receiving room and discard in the yellow trace RCRA waste container. • Wash hands with soap and water.
<p>3. TRANSPORT FROM PHARMACY TO OTHER OCHSNER ONSITE AREAS</p>	<ul style="list-style-type: none"> • Onsite locations to which pharmacy will transport HazDs include: <ul style="list-style-type: none"> ○ Patient care areas ○ Medication storage rooms ○ Other pharmacies • Don 2 pair of ASTM D6978 gloves to transport HazDs unless transporting an intact pill, capsule, or tablet where only 1 pair of gloves is required. • Place the HazD in the appropriate resealable clear plastic bag. • Ensure that the bag is tightly closed to facilitate spill containment. • If the HazD is a liquid or has been manipulated, then the resealable plastic bag must be placed into a hard-sided closeable container that reduces the risk of breakage and facilitates spill containment. • The container must be clearly marked with the appropriate HazD label or sticker. • Prior to leaving the transport destination and 2 pair of ASTM D6978 gloves are worn, doff outer pair of gloves and discard them in the yellow trace RCRA waste container. • Gloves worn for transport of intact pills, capsules, or tablets may be disposed of in regular trash. • Return the hard-sided closeable container to pharmacy and wipe with Peridox®RTU. • Doff the remaining gloves and discard them in the yellow trace RCRA waste container. • Wash hands with soap and water.
<p>4. TRANSPORT FROM OTHER OCHSNER ONSITE AREAS BACK TO PHARMACY</p>	<ul style="list-style-type: none"> • Don 2 pair of ASTM D6978 gloves unless retrieving an intact pill, capsule, or tablet where only 1 pair of gloves is required. • Please HazD in appropriate resealable plastic bag. • Ensure that the bag is tightly closed to facilitate spill containment. • If the HazD is a liquid or has been manipulated, then the resealable clear plastic bag must be placed into a hard-sided closeable container that reduces the risk of breakage and facilitates spill containment. • The container must be clearly marked with the appropriate HazD label or sticker. • If 2 pair of ASTM D6978 gloves are worn, doff outer pair of gloves and discard them in the yellow trace RCRA waste container. • Gloves worn for transport of intact pills, capsules, or tablets may be disposed of in regular trash.

5. TRANSPORT FROM PHARMACY TO OCHSNER OFFSITE AREAS

- Return retrieved HazD and container to pharmacy.
 - Wipe hard-sided closeable container with Peridox® RTU.
 - Doff the remaining gloves and discard them in the yellow trace RCRA waste container.
 - Wash hands with soap and water.
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- Offsite locations (outside the primary organizational address) to which pharmacy will transport HazDs include:
 - Clinics
 - Other pharmacies
 - Transport HazD according to manufacturer’s recommend storage and temperature guidelines (refer to OHS.PHARM.SOP.107 Transportation of Cold Supply Chain Medications).
 - Don 2 pair of ASTM D6978 gloves unless transporting an intact pill, capsule, or tablet where only 1 pair of gloves is required.
 - Place the HazD in the appropriate resealable clear plastic bag with HazD label or sticker, then place the resealable plastic bag into a hard-sided closable container that reduces the risk of breakage and facilitates spill containment.
 - Use a specified hard-sided closable container to package room temperature HazDs or a disposable cooler with cold packs for refrigerated HazDs while transporting to another offsite areas.
 - Use ice packs and/or bubble wrap inside the container to prevent breakage, leakage, or damage to the drug container.
 - Place cold packs in plastic bags prior to placing in the cooler.
 - Coolers will be placed inside a secure container for transport.
 - The outer container must designate any specific requirements for handling or transport of the drug (e.g., Refrigerate).
 - Shipping container must be clearly labeled with universal symbol for hazardous material.
 - Secure the container with zip tie(s).
 - When packaging for transporting is complete, doff gloves and discard them in the yellow trace RCRA waste container.
 - Wash hands with soap and water.
 - Notify the courier of the HazD inside of the container.
 - Notify the courier of the hazardous material inside the container.

Approval

Deborah Simonson VP Pharmacy
 Deborah Simonson, VP Pharmacy

1-20-2022
 Date

Reviewer	Date of Review	Notes
DOP System Policy Committee	8/19/21	Approved
DOP	11/10/21	Approved