



***Baxter***

# HAZARDOUS DRUG SPILL KIT TRAINING MANUAL

# ABOUT THE JOINT VENTURE

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Baxter Pharmacy Services and CRG Healthcare have come together to produce the Hazardous Drugs Spill Kit

## **BAXTER PHARMACY SERVICES**

- ▲ Provides aseptically prepared sterile medications throughout Australia and New Zealand.
- ▲ Over 20 years experience with seven compounding centres located in two countries.
- ▲ Offers an extensive range of drugs including; Cytotoxic, Antibiotic and Anti-viral, Analgesic and Parenteral Nutrition Solutions.

# CLEAN ROOM GARMENTS

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- ▲ Clean Room Garments, founded in 1970, is Australia's number one supplier of contamination control products, apparel and personal protective equipment (PPE).
- ▲ CRG Healthcare is a division of Clean Room Garments Pty Ltd., focusing on the needs of the healthcare industry.
- ▲ CRG operated two AS/NZS ISO 9001:2000 accredited Administration and Production facilities in Melbourne and Sydney, with representation in every Australian state and New Zealand.



# ABOUT THE KIT

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Designed for containment and management of hazardous drug spills, including:

- ▲ Cytotoxics
- ▲ Radiopharmaceuticals
- ▲ Antibiotics

# WHAT ARE THE SIDE EFFECTS OF HAZARDOUS DRUGS?



## CYTOTOXICS

- ▲ Interfere with cell division
- ▲ May cause irritation to:
  - Skin
  - Eyes
  - Mucous membranes
- ▲ Light headedness
- ▲ Nausea



## ANTIBIOTICS (PENICILLINS, CEPHALOSPORINS)

- ▲ May cause irritation to:
  - Skin
  - Eyes
- ▲ Possible allergic reactions may include:
  - Rash
  - Itchiness
  - Urticaria
- ▲ Anaphylaxis (in rare severe allergies)



## RADIOPHARMACEUTICALS

- ▲ May cause irritation to:
  - Skin
  - Eyes
- ▲ Possible allergic reactions may include:
  - Rash
  - Itchiness
  - Urticaria
- ▲ Anaphylaxis (in rare severe allergies)
- ▲ Nausea

# SPILL KIT CONTENTS



- ▲ Purple Chemogown x 1
- ▲ Safeguard Overshoes x 1 pair
- ▲ Safety Glasses x 1 pair
- ▲ Respirator Mask x 1
- ▲ Chemosafe Purple Gloves Medium x 2 pairs
- ▲ Chemosafe Purple Gloves Large x 2 pairs
- ▲ Hairnet x 1
- ▲ Chemosorb Pads x2
- ▲ Towelettes x 4
- ▲ Purple Cytotoxic Waste Bag x 1
- ▲ White Waste Bag x 1
- ▲ Cable Ties x2
- ▲ Plastic Scoop and Scraper x 1
- ▲ Caution Hazardous Drugs Spill Signs x 2
- ▲ Bottle of water 200ml x 1
- ▲ Incident Report Form x 1

# HAZARDOUS DRUGS SPILL KIT PROCEDURE



## STEP 1:

Do not panic. Stop and think. If you feel confident that you can correctly clean the spill, alert others to the spill. Press emergency spill button in your suite. Do not leave spill unattended. Remove any contaminated clothing. Was any affected skin with soap and water. Obtain nearest kit.

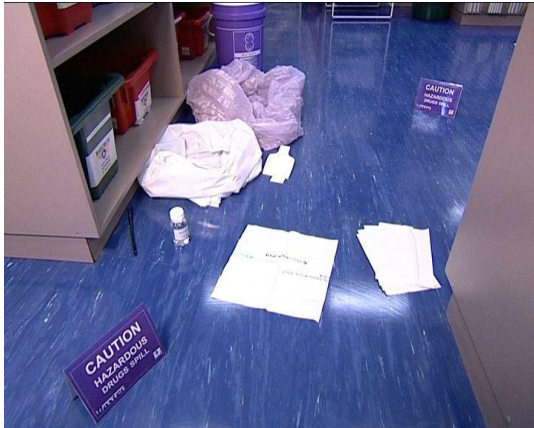


## STEP 2:

Contain the spill. Refer to procedure form from the kit. Stop the spread of the spill by placing wipes around the perimeter. For liquid or powder spills, gently lay the Chemosorb pad over the spill. Do not press it onto the spill. Each Chemosorb pad will absorb approximately 500mls. Attempt not to touch any of the spilt material.

# HAZARDOUS DRUGS SPILL KIT PROCEDURE

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## STEP 3:

Display the two “Caution Hazardous Drugs Spill” signs at the spill’s perimeter. This will alert any person entering the area to the fact that cleaning of a hazardous spill is in progress.



# HAZARDOUS DRUGS SPILL KIT PROCEDURE



## STEP 4:

Once the spill has been contained with Chemosorb Wipes, don protective clothing in the following order:

- ▲ Respirator mask to prevent inhalation of hazardous materials
- ▲ Safety glasses to prevent splashing of material into eyes
- ▲ Hairnet (long hair) to prevent it from dangling in the spill
- ▲ First pair of gloves
- ▲ Chemogown ensure that the first pair of gloves remain under the gown cuff
- ▲ Overshoes to prevent contamination of your shoes and possible spread of the spill
- ▲ Second pair of gloves pull these over the gown cuff to ensure maximum coverage

# HAZARDOUS DRUGS SPILL KIT PROCEDURE

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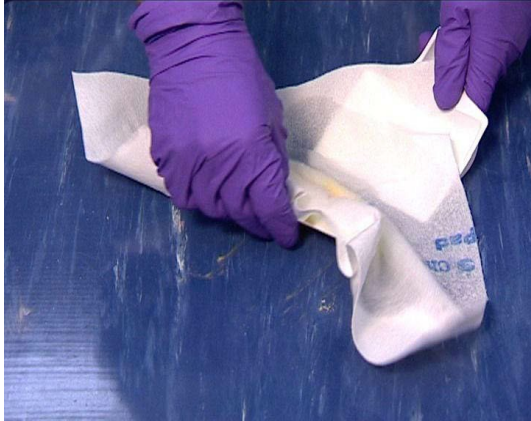
## STEP 5:

- ▲ Open the white waste bag and fold it down so that it is possible to place items in the bag without touching the outside of the bag. Do the same with the purple cytotoxic waste bag.
- ▲ Make sure that all items necessary to clean up the spill are within easy reach. It is important to clean the spill in a careful manner so as not to spread the area of contamination. Do not rush the process. It is important to clean the spill thoroughly.

## STEP 6:

If the spill is in powder form, it will be necessary to add water to the powder prior to continuing the cleaning process. To do this, gently pour enough water onto the ChemoSorbpad that is covering the spill so that the area is saturated. Do not flood the area. Do not pour the water directly onto the powder as you could run the risk of the powder splashing, spreading or simply floating on the water's surface.

# HAZARDOUS DRUGS SPILL KIT PROCEDURE



## STEP 7:

Allow the water to soak through the pad into the powder, then using the plastic scoop and plastic scraper, carefully scoop up the broken glass/powder slurry (as the pad turns powder into a gel), by folding the edges of the ChemoSorb pad into itself. Minimise using your hands directly, as this grossly contaminates gloves, which can easily contaminate yourself and other surfaces. Do not use gloved hands to pick up broken glass. Dispose of Chemosorb pad and scoop in the white waste bag.



## STEP 8:

Starting from the outside edge of the spill and using towelettes moistened with water, slowly and carefully wipe in towards the spill. Discard this wipe into the white waste bag. Use a fresh wipe each time you move to the outside area of the spill. If necessary, use more water and another Chemosorb pad.

# HAZARDOUS DRUGS SPILL KIT PROCEDURE

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## STEP 9:

Use any remaining towelettes to dry the area to prevent the risk of someone slipping on the wet floor. Place the towelettes inside the white waste bag. Remove all personal protection in the following sequence and carefully discard in the white waste bag. (Take care not to touch items already in the bag or the outside of the bag. This will ensure that the inner pair of gloves do not become contaminated)

### ORDER FOR REMOVING PERSONAL PROTECTIVE WEAR:

- ▲ Overshoes
- ▲ Outer pair of gloves (remove these in such a manner that you do not contaminate the inner pair of gloves or any part of your skin during de gowning. Outer pair of gloves are most likely heavily contaminated. Remove very carefully and slowly to avoid dispersing particulate contamination into the air)
- ▲ Chemogown
- ▲ Safety glasses

**Note: Do not remove inner pair of gloves or respirator at this stage**

# HAZARDOUS DRUGS SPILL KIT PROCEDURE



## STEP 10:

Touching only the outside of the white waste bag, carefully close the bag and tie it at the top using one of the cable ties. Do not press the bag down as this will create a bellow effect, dispersing hazardous particles into the air. It may also contain glass that could penetrate the bag.

## STEP 11:

- ▲ Place the white waste bag inside the purple cytotoxic printed waste bag without touching the outside of the purple bag.
- ▲ Place the Caution Spill signs inside the purple bag.
- ▲ Remove inner pair of gloves and mask and place them in the bag.
- ▲ Touching only the outside of the purple bag, close the bag using the other cable tie, so that the white waste bag is fully sealed within the purple bag.

# HAZARDOUS DRUGS SPILL KIT PROCEDURE



## STEP 12:

Place the sealed purple cytotoxic printed waste bag into a solid waste container such as a purple cytotoxic printed waste bin, and seal.

Remember not to push the bag down. This container is then placed inside the cytotoxic waste bin ready for collection by environmental services for incineration according to your state legislation.

## STEP 13:

After disposing of all the waste:

- ▲ Thoroughly wash your hands with soap and water.
- ▲ Report the incident to your supervisor and fill in the incident report form contained within the kit, or other such form specific to your workplace.
- ▲ Discard spill kit packaging and ensure that a replacement kit is available or arrange to have another kit ordered

# REPLACEMENT KIT



- ▲ Do not assume that someone will organise a replacement kit
- ▲ Make sure that another one is available in case there is another spill
- ▲ If there is no kit available the next time there is a spill, you will not have all of the items necessary to aid in the safe clean up of the spill

To order a replacement Kit, please see the product details below:

PRODUCT CODE	PRODUCT DESCRIPTION
4004CRG	CRG HAZARDOUS DRUGS SPILL KIT

Order via phone on 02 9851 4600 or email [service@cleanroom.com.au](mailto:service@cleanroom.com.au)