

Title:	Chemical Spill Procedure - Minor		
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Applicable Sites:	<input type="checkbox"/> Unity Health <input type="checkbox"/> Providence <input type="checkbox"/> St. Joseph's <input checked="" type="checkbox"/> St. Michael's		
Keyword(s):	Spill response		

1.0 PURPOSE

In a research laboratory, inherent dangers exist, making it paramount for personnel to carefully read the label and Safety Data Sheet (SDS) before using any controlled product.

Additionally, in the event of a chemical spill, the person responsible for the spill bears the primary responsibility for prompt and proper cleanup. The following priorities should be observed:

- i. Prevention and treatment of injuries
- ii. Prevention of environmental contamination
- iii. Protection of property

The subsequent procedure will outline steps for all research laboratory personnel to follow in the event of a chemical spill.

2.0 PROCEDURE

- Immediately alert area occupants and evacuate if necessary.
- In case of a fire or need for medical attention call Hospital Locating at 5555 (416-864-5555).
- Assist contaminated or injured individuals only if it does not jeopardize your safety.
- Report all spills to your Principal Investigator.
- If a volatile, flammable material is spilled and it is safe to remain in the lab, eliminate or control ignition sources. Ventilate the area by activating the chemical fume hood in the area.
- Before responding to the spill, ensure you have:
 - i. Name of the chemical
 - ii. Quantity spilled
 - iii. Hazards of the chemical (refer to SDS)
- Locate the chemical spill kit. Instructions on spill clean up are provided in the spill kit.

- Don appropriate personal protective equipment for the hazard (chemical resistant gloves and eye protection is provided in the spill kit).
- Confine the chemical spill using strategically placed absorbent socks around the spill and drains.
- Gently place absorbent pads over the spilled area.
- If there is broken glass, use the long forceps provided in the spill kit to pick the glass pieces.
- Once the material is absorbed, put used pads in the yellow polypropylene or polyethylene bag provided in the kit.
- Seal the bag with tape. Affix a completed hazardous label sticker (available in Room 545) identifying hazardous material(s), percentage weight of each, and approximate volume of the spill on the yellow bag.
- Leave the bag for pickup in the chemical waste collection room (Room 545).
- Complete the online Safety First Report.
- Report to Corporate Health, Safety and Wellness.

DEFINITIONS

Term/Acronym	Definition
Minor Chemical Spill	A minor chemical spill is of a size that is manageable (less than 2 litres) when using the chemical spill kits available in the laboratories
Controlled Product	“Controlled product” means a product, material, or substance as determined in accordance with Part IV of the Controlled Products Regulation (Canada) to be included in a class listed in Schedule II of the Hazardous Products Act (Canada)

3.0 ATTACHMENTS/APPENDIX

[Insert title of appendix and include image. If this is a PDF file, please insert title and provide file to the Coordinator]

Version	Approval/Sub-approval body	Approval date
01	Research Biosafety Committee	January 1, 2015
02	Research Biosafety Committee	January 1, 2016
03	Director Research Facilities, Research Biosafety Officer Research Facilities Director Research Facilities	January 1, 2021
04	Director Research Facilities	November 27, 2023

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