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## 1.0 PURPOSE

All researchers must abide by the flammable and combustible liquid limits as outlined by the Ontario Fire Code. Flammable and combustible liquids must be stored in the flammable and combustible cabinet. The use of flammable and combustible cabinets protects the liquids against flash fires, excessive internal temperature in the presence of fire and contains any spilled flammable liquids to prevent the spread of fire. Cabinets must be clearly labelled indicating that the cabinet contains flammables and that open flames and sources of ignition must be kept away. In order to minimize storage of flammable and combustible chemicals, purchase the smallest quantity of liquid whenever possible.

## 2.0 PROCEDURE

### *Storage Guidelines*

- Containers must be kept closed at all times when placed in the cabinet
- The cabinet is designated for flammable and combustible materials only. Do not store any incompatible materials in the cabinet.
- Flammable and combustible cabinets are located in the wet bench laboratory alcoves.
- Labs that share a cabinet are responsible for making sure that chemicals in the cabinet are compatible.
- Labs are required to label the chemicals with the lab's name and the date of receiving. Before storing, inspect all incoming containers to ensure they are not damaged.
- Chemicals should be removed from their cardboard shipping boxes before storing in the flammable and combustible cabinet.
- Do not exceed the permissible storage capacity for the storage cabinet.

- The Research Core Facility (RCF) flammable and combustible cabinets may be used for temporary storage when performing experiments in the core areas. RCF Coordinators or Biosafety Officer must be consulted and informed before leaving any chemicals in the cabinets.
- Allow only trained, authorized individuals into storage areas, in all cases.

**Limit Guidelines**

- Each laboratory space should not have more than 300 L (flammable and combustible liquids) of which not more than 50 L shall be flammable.
- The container used for storing flammable should be no larger than 5 L.

**3.0 DEFINITIONS**

Term/Acronym	Definition
<b>RCF</b>	Research Core facility

Version	Approval/Sub-approval body	Approval date
01	Director, Research Facilities	October 12, 2022
02		
03		

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