APPENDIX - B
Flammable Liquid Storage Policy
University of Manitoba
Revised January 12, 2003

This document represents the manner in which flammable liquids must be stored at the University of Manitoba. These requirements are specifically designed to conform to the Manitoba Fire Code as it pertains to the storage of flammable and combustible liquids.

I. Laboratories

A. Flammable and combustible liquids shall be kept in closed containers of not more than 4 L in size.

B. Where larger quantities of Flammable and combustible liquids are required in the open laboratory, they shall be kept in approved Safety Containers of not more than 25 L in size.

C. The maximum amount of Class I flammable liquids that may be kept in a laboratory shall be equal to the amount necessary for one day’s normal operation, up to a maximum of 50 L.

D. Flammable and combustible liquids in excess of 50 L shall be kept in Flammable Storage Cabinets, up to a maximum amount of 300 L of which no more than 50 L shall be Class I liquids.

E. Not more than 5 L of flammable liquids shall be permitted in basement locations and shall be kept in a Safety Container.

F. Flammable Storage Cabinets shall be U.L.C. approved and shall be closed at all times with the door latched. The cabinets shall not be placed near an exit door or block access to an exit, electrical panel box, and safety equipment.

G. Spill cleanup kits must be available and suitable for the material being used.

H. Flammable and combustible liquids shall not be stored with other controlled products (as defined by WHMIS & TDG).

I. Flammable and combustible liquids that require refrigeration shall be stored only in approved flammable materials storage or explosion proof refrigerators.

J. Flammable and combustible liquids shall be dispensed in accordance with University of Manitoba dispensing guidelines.

II. Storage Rooms For Flammable Liquids (Class I)

A. Storage room may be located on any floor above basement level, provided it is not in or adjacent to exits, elevators, stairways or principal routes that provide access to exits.

B. Must have 2 hour fire rating.
C. Must be able to contain liquid spills and any water used for firefighting purposes. To accomplish this, the walls must be liquid tight with the floor, the door entrance must have a ledge, and there shall be no drain to sewer systems or waterways.

D. Must have a ventilation system that does not return air back to other building areas.

E. Must have appropriate fire protection devices (smoke and/or heat detector, etc.).

F. A sprinkler or self contained fire extinguishing system should be considered.

G. Where dispensing will occur, a proper ground rod, cable and grounding clips must be supplied.

H. Emergency lighting should be considered.

I. Ensure that no one can be accidentally locked in the room.

III. Non-Laboratory Areas

The following procedures apply to any area that can be classified as a Fire Compartment as defined by the Fire Code.

A. Flammable and combustible liquids shall be kept in closed containers of not more than 4 L in size.

B. Where larger quantities of Flammable and combustible liquids are required in a room, they shall be kept in approved Safety Containers of not more than 25 L in size.

C. The maximum amount of Class I flammable liquids that may be kept in a room, shall be equal to the amount necessary for one day's normal operation, up to a maximum of 50 L.

D. Flammable and combustible liquids in excess of 50 L shall be kept in Flammable Storage Cabinets, up to a maximum amount of 300 L of which no more than 50 L shall be Class I Liquids.

E. Not more than 5 L of flammable liquids shall be permitted in basement locations and shall be kept in a Safety Container.

F. Flammable Storage Cabinets shall be U.L.C. approved and shall be closed at all times with operable door latches. The Cabinets shall not be placed near an exit door or block access to an exit, electrical panel box, and safety equipment.

G. Spill cleanup kits must be available and suitable for the material being used.

H. Flammable and combustible liquids shall not be stored with other controlled products (as defined by WHMIS & TDG).
I. Flammable and combustible liquids that require refrigeration shall be stored only in approved flammable materials storage or explosion proof refrigerators.

J. Flammable and combustible liquids shall be dispensed in accordance with University of Manitoba dispensing guidelines.