

POLICY 1.34 – Storage and Dispensing of Flammable and Combustible Liquids in Laboratories

Policy Category: General

Effective Date: June 24, 2003

Supersedes: (NEW)

PURPOSE

1.00 The purpose of the Storage and Dispensing of Flammable and Combustible Liquids in Laboratories policy is to ensure that flammable and combustible liquids are used in a safe

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It may include an entire floor but maximums of flammable and combustible liquids within a fire separation cannot exceed limits for immediate use quantities or storage cabinets' quantities. The appropriate personnel in the Division of Facilities Management will make determinations of fire separations.

4.04 Flammable Liquid (Class I)

Means any liquid which has a flash point of less than 37.8°C.

4.05 Flammable Liquid Storage Cabinet

For the purposes of this policy, an approved flammable liquid storage cabinet will be a metal cabinet designed for the storage of flammable and combustible liquid carrying the approval of one of the following testing laboratories:

- (a) Factory Mutual (FM)
- (b) Underwriters Laboratories (UL)
- (c) Underwriters Laboratories of Canada (ULC)

4.06 Flash Point

The lowest temperature at which a flammable liquid gives off enough vapour to form a flammable or ignitable mixture with air near the surface of the liquid or within the container used.

4.07 Immediate-Use Quantity

For storage outside of an approved flammable liquid storage cabinet, immediate use quantities are defined as:

Maximum quantities of immediate use flammable and combustible liquids in a Laboratory fire separation cannot exceed 300 litres of which 50 litres can be Class I flammable.

4.08 Sealed Container

A container closed by a lid or other device from which neither liquid nor vapour will escape at normal room temperature and which has not been opened since it was filled and sealed by the supplier.

4.09 Safety Can

A container, approved by the Underwriters Laboratories of Canada, Factory Mutual, or other acceptable testing laboratory, of not over 23 L capacity and having every opening closed tightly by a spring actuated lid and a flash arrester. Note that in laboratories (see below) the maximum container size permitted is 5 litres.

PROCEDURES

5.00

