



Flammable and Combustible Liquids Safe Work Standard

1.0 PURPOSE

This standard supports the Hazard Control Policy and establishes consistent requirements for the storage, handling, and use of flammable and combustible liquids in compliance with relevant legal and other requirements.

2.0 DEFINITIONS

Refer to the definitions provided in the SaskPower “Safe Storage, Handling, and Use of Flammable and Combustible Liquids Guidelines.”

2.1 Third Party

Third party standards are developed from outside agencies such as such as CSA and NFPA and represent a consensus of best practice across industry. In some cases they form part of the legal requirements.

3.0 METHODS / PRACTICE

3.1 Identify Hazards

- The fire hazards of storage, handling, and use of flammable and combustible liquids are generally identified and well known from WHMIS labels, MSDSs, TDG labels and placards, and other signage. Health hazards are not addressed by this standard – refer to WHMIS information and the relevant MSDS for the products involved.
 - Identify flammable and combustible liquids in storage and being handled or used
 - Identify potential flammable and combustible vapours that may be present including situations where flammable or combustible vapours may travel to a source of ignition at a distance and flashback
 - Identify sources of ignition such as
 - Static electricity
 - Hot work including welding, cutting, grinding, etc...
 - Pilot lights
 - Electrical, electronic, and hand tools, equipment and devices
 - Hot surfaces including vehicle engines, boilers, etc. Advise Chemical Services of new products
 - Others

3.2 Control Methods

Implement appropriate controls for the situation including, but not limited to:

- Compliance with all Fire Codes, related standards, and other legal requirements
- Strict adherence to safe storage requirements
- Measures to minimize, and where possible eliminate, the release of flammable and combustible vapours including sealed containment and appropriate exhaust and ventilation systems
- Measures to eliminate sources of ignition to within a safe distance from flammable and combustible liquids and vapours



- Strict adherence to grounding and bonding requirements
- Current emergency preparedness and response plans and procedures, equipment, training, and response drills appropriate for the situation including fire, explosion, and spill risks
- Regular inspection and maintenance of relevant tools, equipment, tanks, containment, controls, and electrical installations in hazardous locations
- Incidents shall be reported and investigated according to the Incident Management Process.
- Training and/or awareness shall be provided to employees who are required to work with, or in the vicinity of, flammable or combustible liquids or vapours.

4.0 REFERENCES

- Saskatchewan
 - Occupational Health and Safety Act, 1993,
 - Occupational Health and Safety Regulations, 1996
 - Saskatchewan Fire Code Regulations
 - The National Fire Code
 - The National Building Code
 - Saskatchewan Fire Code
 - CAN/CSA-B149.2-00 Propane Handling and Storage Code Hazardous Products Act and Controlled Products Regulation (Federal)
 - Transportation of Dangerous Goods Act and Regulations
- SaskPower (located on SafetyNet)
 - Hazard Control Policy
 - "Safe Storage, Handling, and Use of Flammable and Combustible Liquids Guidelines."
 - Chemical Inventory List
- Third Party
 - Relevant NFPA and CSA standards (Note: any standard required by a legal requirement such as the National Fire Code is a legal requirement; other reputable standards will likely be expected as best management practices by regulatory authorities)