

PART 19

Fire and Explosive Hazards

Previous Regulation(s): NEW – Previously enforced through other regulatory requirements.

Summary of requirements:

- **Application** – applies to workplaces where combustible liquids, flammable liquids or flammable substances are present; or where hot work is performed.
- **Safe work procedures** – must be developed, implemented, and workers trained.
- **Fire protection equipment and fire extinguishers** – must be of an appropriate type and sufficient size and must be installed in accordance with the Manitoba Fire Code. Portable fire extinguishers must be located in accordance with the Manitoba Fire Code.
- **Maintenance of all fire protection equipment and portable fire extinguishers** - must be in accordance with manufacturer's specifications and the Manitoba Fire Code.
- **Containers for contaminated materials** – any material contaminated by a flammable or combustible liquid must be placed in a container that is stored in accordance with the Manitoba Fire Code.
- **Containers for combustible or flammable liquids** – must meet the requirements of the Manitoba Fire Code.
- **Use of gasoline** – no gasoline to be used to start a fire or used as a cleaning agent.
- **Activities involving combustible liquids** – employer to ensure that a worker does not refill a tank connected to a heating device with a combustible or flammable liquid while the device is in operation or hot enough to ignite the liquid; or place a tar pot that is in use within three metres of an entrance to or exit from a building or structure.
- **Control of ignition sources, static charges** - employer must ensure that :
 - static charge accumulations during the transfer of a flammable liquid or explosive substance from one container to another are prevented by either electrically bonding or grounding the containers;
 - metallic or conductive containers used to transfer flammable liquids are electrically bonded to each other or are electrically grounded while their contents are being transferred from one container to another; only

flammable fuel transfer equipment and portable fuel transfer tanks approved by the CSA or the Underwriters' Laboratories Inc. are to be used to transfer flammable liquids.

- **Flammable or explosive substance in atmosphere** – employer must ensure that a worker does not enter a workplace where a flammable or explosive substance is present in the atmosphere at a level that is more than 10% of the lower explosive limit of that substance.
- **Hot Work** – must be performed in accordance with the Manitoba Fire Code.
- **Purging of container or piping before any hot work begins**– must be done using an effective removal method.
- **Welding or cutting of metal that was cleaned with flammable or combustible liquids** cannot take place until the metal has thoroughly dried.
- **Compressed gas equipment** – must be stored in accordance with the Manitoba Fire Code.
- **Definition of “container”** – a stationary or portable vessel or receptacle used to contain a flammable substance such as a tank, tank car, tank truck or a cylinder.

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***Note: This is high-level summary.
Please refer to the Regulation for more detailed requirements.***