Safe Handling and Storage of

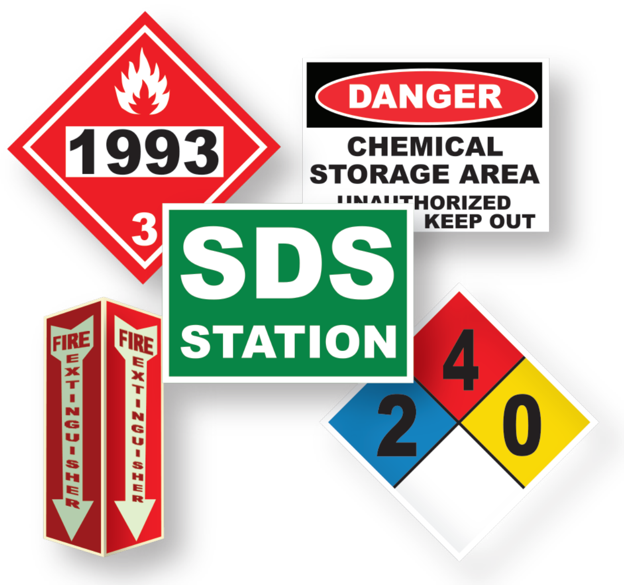
Liquid Chemicals

Public Outreach EDU-2

Source Water Protection is a provincial requirement of the *Clean Water Act* meant to protect our municipal drinking water sources (lakes, rivers and underground) from contamination and overuse.

Handling and Safe Storage - Liquid Chemicals

- All containers must be properly labelled with appropriate WHMIS supplier labels or workplace labels.
- Storage areas must be secure when not in use and are available to authorized personnel only.
- Storage areas are well illuminated.
- Open flames, smoking and localized heating units are not permitted in or near storage areas.
- Storage containers are inspected periodically for rust, corrosion and leakage.
- Damaged containers are replaced or repaired immediately.



Handling and Safe Storage - Fuel

The following are ways in which source water can be protected through the safe handling, management and storage of fuel:

- Secondary containment.
- Spill/leak detection and monitoring processes.
- Collision protection (e.g. bollards).
- Prohibit fuel storage where activity would be a significant drinking water threat.
- Keep good records of TSSA inspection reports.
- Removal of tanks from abandoned properties.

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Handling and Safe Storage – Organic Solvents

Most organic solvents are used in industrial and commercial applications. These chemicals are highly volatile, flammable and extremely toxic. If spilled, these solvents travel quickly through water. Organic solvents move quickly. ***If a spill occurs call 1-800-268-6060 immediately***.

Examples: Paint thinners, polish removers, glue solvents and perfumes. Storage and safe disposal of these materials must be managed to ensure the safety of drinking water.

Disposal Guidelines

Dispose of hazardous waste through a licensed waste disposal firm. Refer to Safety Data Sheets for safe disposal instructions and/or guidelines. Safety Data Sheets are available on the product manufacturer's website.

The Importance of DNAPL (Dense Non-Aqueous Phase Liquids) Storage

DNAPLs threaten our drinking water sources.

DNAPLs are contaminants that are heavy and sink to the bottom of the water and are toxic and less biodegradable. These chemicals are toxic to humans and the environment.

Contact Information

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