



BURBANK FIRE DEPARTMENT

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BURBANK FIRE DEPARTMENT POOL CHEMICAL STORAGE

POOL PRODUCTS

Common swimming pool chemicals stored and displayed are:

- trichloro-s-triazotriene (aka, Trichlor),
- sodium dichloroisocyanurate (aka, Iso's),
- calcium hypochlorite (aka, Cal Hypo),
- and hydrochloric acid (aka, muriatic acid).

These chemicals are oxidizers and corrosive. Oxidizers will not burn but they will rapidly accelerate burning if heated, mixed with water, or become contaminated. Of all the pool chemicals calcium hypochlorite is the most reactive. It is incompatible with other oxidizing pool chemicals, muriatic acid, and most other hazardous materials such as flammable and combustible liquids, antifreeze, motor oil, and pesticides

Large, nonresidential pools might use chlorine stored as a liquid under pressure in metal containers. The Chlorine Institute, Inc. and the Occupational Safety and Health Administration (OSHA) provide guidance on the operation of pressurized chlorine systems.

These guidelines are applicable to the installation of pool chemical storage rooms. These guidelines are a supplement to other requirements and/or guidelines, and are not all-inclusive. Each referenced code and standard must be reviewed in its entirety to insure compliance.

Applicable Codes and Standards:

- Burbank Municipal Code (BMC)
- California Fire Code (CFC)
- California Building Code (CBC)
- National Fire Protection Association Standard 430 (NFPA 430) **CODE FOR THE STORAGE OF LIQUID AND SOLID OXIDIZERS**
- National Fire Protection Association Standard 13 (NFPA 13) **Automatic Sprinkler Systems.**

Training and Emergency Procedures:

- Employees who handle swimming pool chemicals should be trained in storage, use and handling practices, using manufacturer's instructions, and in accordance with your company's guidelines for hazardous materials.
- When an employee identifies a container that has been damaged, it should be moved outside the building. Disposal of the material should be in accordance with the manufacturer's instructions. If the container is warm to the touch, emitting vapors, hissing, bubbling or bulging, a reaction is likely to have begun. In such a case contact the **Burbank Fire Department by calling 911.**