

Process Safety Management of Highly Hazardous Chemicals

Additional Resources:

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- [Complete OSHA Standard](#)

The OSHA regulation regarding process safety management (1926.64) contains requirements for preventing or minimizing the consequences of catastrophic releases of toxic, reactive, flammable, or explosive chemicals. These releases may result in toxic, fire or explosion hazards. The standard applies to any of the following:

- A process which involves a chemical at or above the specified threshold quantities listed in Appendix A of the standard
- A process which involves a flammable liquid or gas (as defined in 1926.59(c) of this part) on site in one location, in a quantity of 10,000 pounds (4,535.9 kg) or more, except for hydrocarbon fuels used solely for workplace consumption as a fuel (e.g., propane used for comfort heating, gasoline for vehicle refueling), if such fuels are not a part of a process containing another highly hazardous chemical covered by this standard
- Flammable liquids stored in atmospheric tanks or transferred which are kept below their normal boiling point without benefit of chilling or refrigeration. 1926.64(a)(1)

A written plan of action needs to be developed regarding employee participation on the conduct and development of process hazard analyses and on the development of the other elements of process safety management. 1926.64(c)(1)-(2)

The employer, when selecting a contractor, shall obtain and evaluate information regarding the contract employer's safety performance and programs. 1926.64(h)(2)(i)

The contract employer shall assure that each contract employee is trained in the work practices necessary to safely perform their job. 1926.64(h)(3)(i)

The employer shall perform a pre-startup safety review for new facilities and for modified facilities when the modification is significant enough to require a change in the process safety information. 1926.64(i)(1)

The employer shall establish and implement written procedures to maintain the on-going integrity of process equipment. 1926.64U(2)