Knowledge Management for Reactive Chemicals

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Abstract

The proper management of reactivity hazards is an important component of process safety programs for companies in the petrochemical industry, academic laboratories, and other enterprises which routinely handle chemicals. A key part of this management is making reactivity and flammability data readily available to users whenever needed. Methods may range from paper files to more sophisticated electronic databases depending on the size and complexity of the organization. A knowledge management approach is presented here which is suitable for medium to large enterprises and has the advantages of relatively low cost, scalability, richness of information types, and fast search/retrieval capability.