Chemical Incident Data Mining and Application to Chemical Safety Analysis

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ABSTRACT

This paper provides a definition of incident, with examples of included and excluded events meant to clarify the scope of the definition, and describes how meaningful chemical incident information can be mined from existing public access databases. By comparison of the mined data with other sources it is possible to get a picture about the completeness and accuracy of our knowledge about chemical safety. Conclusions and assessment about what should be done to improve the chemical incident reporting system are derived from this work.