ABSTRACT

Lessons Learned from Process Incident Databases:
The Process Safety Incident Database (PSID) Approach
Sponsored by the Center for Chemical Process Safety

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ABSTRACT:
Learning from the experiences of others has long been recognized as a valued and relatively painless process. In the world of process safety, this learning method is an essential tool since industry has neither the time and resources nor the willingness to experience an incident before taking corrective or preventative steps.

This paper examines the need for and value of process safety incident databases that collect incidents of high learning value and structure them so that needed information can be easily and quickly extracted. It also goes into how they might be used to prevent accidents by simple awareness and by being a tool for conducting PHAs and accident investigations. The paper then discusses how the CCPS PSID meets those requirements, how PSID is structured and managed, and its attributes and features.

APPLICABILITY:
This paper addresses the “Learning from Incidents” topic, “Databases” subtopic.