



U. S. Chemical Safety and Hazard Investigation Board RECOMMENDATIONS STATUS CHANGE SUMMARY

Report:	US Ink Fire
Recommendation Number(s):	2013-1-I-NJ-R6
Date Issued:	January 15, 2015
Recipient:	US Ink/Sun Chemical Corporation
New Status:	Closed – Acceptable Action
Date of Status Change:	August 11, 2016

Recommendation Text:

CSB Recommendation No. 2013-1-I-NJ-R6

At the US Ink East Rutherford facility, install automatic fire alarm systems consistent with NFPA 72 (the National Fire Alarm Code) in manufacturing areas (such as mixing) where heat generation could occur.

Board Status Change Decision:

A. Rationale for Recommendation

On October 9, 2012, a flash fire caused burn injuries to seven workers, including three who sustained third-degree burns, at the US Ink/Sun Chemical Corporation (Sun Chemical) ink manufacturing facility in East Rutherford, New Jersey. The U.S. Chemical Safety Board's (CSB) investigation into this incident found that, during the start-up of US Ink's new dust collection system, a flammable mixture consisting of hydrocarbons and combustible dusts accumulated in the ductwork and ignited, causing a flash fire which spread from the duct collection system to the pre-mix room.

The CSB investigation found no automatic fire alarm system was in place in the pre-mix room, as required by National Fire Protection Association (NFPA) 72, *National Alarm and Signaling Code*. As a result of these findings, the CSB recommended that Sun Chemical install an automatic fire alarm system that is consistent with NFPA 72.

B. Response to the Recommendation

Sun Chemical has installed at its East Rutherford facility, an automatic fire alarm system, which has been permitted by the East Rutherford Borough Building Department and found to be compliant with NFPA 72.

C. Board Analysis and Decision

Based on the above action, the Board voted to change the status of CSB **Recommendation No. 2013-1-I-NJ-R6** to “**Closed – Acceptable Action.**”