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Assuring Process Safety in the Transfer of Hydrogen Cyanide Manufacturing Technology

Gary R. Maxwell, P.E.
DuPont Company
2571 Fite Road
Memphis, TN 38127
E-mail: gary.r.maxwell@usa.dupont.com

Victor H. Edwards, Ph. D., P. E.,
Mark Robertson, and Kamal Shah
Kvaerner Engineers and Constructors
7909 Parkwood Circle Drive
Houston, Texas 77036
(713) 270-2817 Fax: (713) 270-3650
E-mail: vic.edwards@kvaerner.com

Abstract

The manufacture of hydrogen cyanide requires that three critical characteristics be taken consideration: toxicity, flammability, and reactivity. Reactivity includes the potential for exothermic runaway reactions that may form HCN polymer and le: plugged lines, instrumentation, and safety devices. DuPont has safely manufactured hydrogen cyanide at the Memphis site for over 50 years, and has frequently and safely licensed HCN technology to other firms. T paper outlines the keys to safe and successful transfer of this manufacturing technology through th construction, and start-up phases.