Inherently Safer Chemical Processes presents a holistic approach to making the development, manufacture, and use of chemicals safer. It discusses strategies for substituting more benign chemicals at the development stage, minimizing risk in the transportation of chemicals, using safer processing methods at the manufacturing stage, and decommissioning a manufacturing plant. Since the publication of the original concept book in 1996, there have been many developments on the concept of inherent safety. This new edition provides the latest knowledge so that engineers can derive maximum benefit from inherent safety.

ABOUT THE AUTHOR

Center for Chemical Process Safety (CCPS) was established by the AIChE in 1985 to study and develop engineering and management practices that help prevent or mitigate catastrophic process safety accidents. CCPS publications provide the latest guidelines for the production, storage, and handling of flammable, explosive, and reactive materials. With the help of the CCPS, companies can operate facilities safely and measure their own practices against today's most accepted industry practices.