

Identification and Overcome the Harmful Situations Related to Chemical with the Help of Hazard Identification and Risk Assessment Using Failure Mode and Effective Analysis (FMEA) Method

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Abstract: *Exposure of Chemical are a major occupational health and safety issue in chemical work place industry. Management of chemical hazards requires the combined efforts of occupational health and safety specialists, including generalist OHS professionals, occupational hygienists, and occupational health practitioners. This Research is about analysis of Hazards and their developed Control Measures in industrial chemicals, the manner in which their toxicity is assessed and the use of such assessments in regulatory decision-making. It begins with general points concerning toxicological data availability and hazard identification, then moves on to risk assessment and occupational exposure limits, and finally looks briefly at some standard specific toxicological issues, where the science is far from resolved after brief consideration of the historical context of chemical reactivity and toxicity issues, acute and chronic exposure, chemical hazard classification systems, and the identification, risk assessment, and control of chemical hazards.*

Keywords: Work place safety, Chemical laboratories, Hazards, Occupational safety, health analysis (OSH), Hazard Identification, Risk Assessment (HIRA), Failure Mode and Effective Analysis (FMEA), experimental approaches, Risk calculation, RPN Number calculation