

Creation of a Preliminary Inherent Safety Evaluation Tool for Chemical Process Design

Department of Industrial Chemistry, Tsinghua University, China

Correspondence: [email address]

Keywords: inherent safety; process design; chemical process; safety evaluation

Introduction

The inherent safety of chemical processes is a critical concern in process design. This paper introduces a preliminary tool for evaluating inherent safety. The tool is based on a set of rules derived from process design principles. The rules are applied to the process design to identify potential hazards. The tool is designed to be user-friendly and easy to use. The results of the evaluation are presented in a clear and concise manner. The tool is a valuable resource for process designers. The tool is designed to be user-friendly and easy to use. The results of the evaluation are presented in a clear and concise manner. The tool is a valuable resource for process designers.

1. Introduction

2,3. Literature Review

4,5. Methodology

6. Results and Discussion

7. Conclusion

8. References

9. Acknowledgements

10. Appendix

Risk screening criteria:

☒

Decision support system:

☒

Integration with design software:

☒

Conclusion

☒