




Minimizing risk. Maximizing potential.®

Portal > Knowledgebase > Product Overview > SuperChems™ > SuperChems™ Overview

SuperChems™ Overview

Daniel Nguyen - 2017-07-02 - 0 Comments - in SuperChems™

 SuperChems™ Expert is a versatile software tool that provides an integrated platform for pressure relief and flare systems (PRFS) evaluation and design. Features and benefits include:

- One platform for simple and complex flow dynamics, pressure relief systems and vent containment design, chemical reactivity management, quantitative risk analysis (QRA), and consequence analysis
- Integration into one platform enhances execution efficiency (less data transfer across different modeling tools) and reduces errors
- Wizards for non-expert users
- Piping isometrics interface using Microsoft™ Visio

SuperChems™ Expert offers a variety of well-validated models for single- and/or multi-phase reacting flow, dispersion analysis, droplet dynamics, and fire and explosion dynamics. All models in SuperChems™ are true multi-component models with support for petroleum fractions and mixture toxicity.

This software overcomes shortcomings of simple relief design techniques often leading to over-design, and more importantly, sometimes leading to under-design.

SuperChems™ is available for free to universities and local, state, and federal government agencies.

Click on the link below to download the brochure.

Attachments

- [SuperChems Overview brochure.pdf \[315.88 KB\]](#)