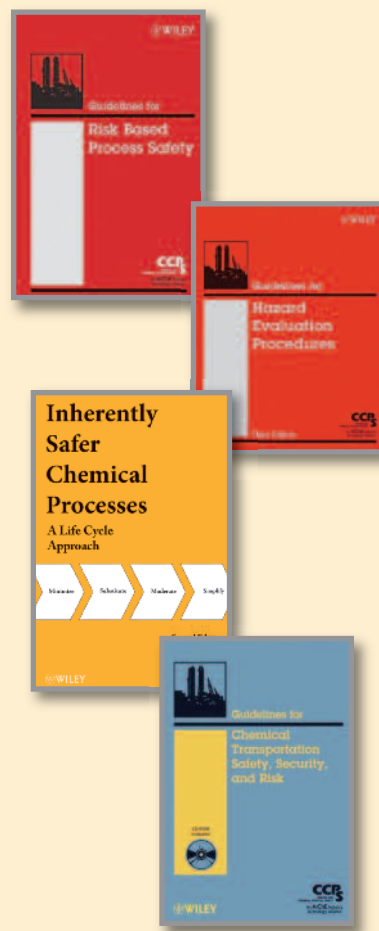


PROCESS SAFETY AT A GLANCE USER KEY

Identify your area of resource needs via the 20 CCPS Elements of Process Safety chart in the center of the page.

CCPS Management Resource Books are in the left chart and color keyed by safety category. Select any of the identified 20 CCPS Elements of Process Safety categories, from the center chart, and use the color key to get you to the appropriate management books for your safety needs.

CCPS Technical Resource Books are in the right chart, by category. Select any of the identified 20 CCPS Elements of Process Safety categories, from the center chart, and use the category identifiers to get you to the appropriate technical book category for your safety needs.



CCPS MANAGEMENT RESOURCE BOOKS

GUIDELINES (G/L) FOR RISK BASED PROCESS SAFETY

UNDERSTAND HAZARDS AND RISK

Evaluating Process Safety in the Chemical Industry: A User's Guide to Quantitative Risk Analysis

G/L for Developing Risk Criteria

G/L for Chemical Process Quantitative Risk Analysis, 2nd Ed.

G/L for Chemical Transportation Safety, Security, and Risk Management

G/L for Hazard Evaluation Procedures, 3rd Ed.

Layers of Protection Analysis

Tools for Making Acute Risk Decisions

G/L for Process Safety Documentation

G/L for Process Safety in Outsourced Manufacturing Operations

MANAGE RISK

Contractor and Client Relations to Assure Process Safety

G/L for Management of Change for Process Safety

G/L for Mechanical Integrity Systems

G/L for Post-Release Mitigation in the Chemical Process Industry

G/L for Technical Planning for On-Site Emergencies

G/L for Performing Effective Pre-Start Safety Reviews

LEARN FROM EXPERIENCE

G/L for Auditing Process Safety Management Systems

G/L for Investigating Chemical Process Incidents, 2nd Ed.

Incidents that Define Process Safety

Revalidating Process Hazard Analysis

20 CCPS ELEMENTS OF PROCESS SAFETY

PROCESS SAFETY CULTURE

STANDARDS, CODES, REGULATIONS, AND LAWS

PROCESS SAFETY COMPETENCY

WORKFORCE INVOLVEMENT

STAKEHOLDER OUTREACH

PROCESS KNOWLEDGE MANAGEMENT

HAZARD IDENTIFICATION AND RISK ANALYSIS

OPERATING PROCEDURES

SAFE WORK PRACTICES

ASSET INTEGRITY AND RELIABILITY

CONTRACTOR MANAGEMENT

TRAINING AND PERFORMANCE ASSURANCE

MANAGEMENT OF CHANGE

OPERATIONAL READINESS

CONDUCT OF OPERATIONS

EMERGENCY MANAGEMENT

INCIDENT INVESTIGATION

MEASUREMENT AND METRICS

AUDITING

MANAGEMENT REVIEW AND CONTINUOUS IMPROVEMENT

CCPS TECHNICAL RESOURCE BOOKS

VENTING AND EMERGENCY RELIEF

- Deflagration and Detonation Flame Arrestors
- G/L for Pressure Relief and Effluent Handling Systems
- Emergency Relief Systems Design Using DIERS Technology

CHEMICAL REACTIVITY HAZARDS

- Essential Practices for Managing Chemical Reactivity Hazards
- G/L for Reactivity Evaluation and Application to Process Design
- G/L for Safe Storage and Handling of Reactive Materials
- G/L for Safe Warehousing of Chemicals
- G/L for Process Safety in Batch Reaction Systems

SAFE DESIGN

- Avoiding Static Ignition in Hazards in Chemical Operations
- Electrostatic Ignitions of Fires and Explosions
- G/L for Engineering Design for Process Safety
- G/L for Evaluating Process Plant Buildings for External Explosions and Fires
- G/L for Design Solutions to Process Equipment Failures
- G/L for Preventing Human Errors in Process Safety
- Human Factors: Methods for Improving Performance in the Process Industries
- G/L for Safe Handling of Powders and Bulk Solids
- Making EHS an Integral Part of Process Design
- G/L for Safe Design and Operations of Process Vent and Headers
- G/L for Safe and Reliable Instrumented Protective Systems
- Inherently Safer Design, 2nd Ed.

CONSEQUENCE MODELING

- Estimating the Flammable Mass of a Vapor Cloud
- G/L for Consequence Analysis of Chemical Releases
- Understanding Explosions
- Wind Flow and Vapor Cloud Dispersion at Industrial and Urban Sites