

1. Record Nr.	UNISA996218406703316
Titolo	Dow's fire & explosion index hazard classification guide [[electronic resource]]
Pubbl/distr/stampa	New York, : American Institute of Chemical Engineers, 1994
ISBN	1-282-81736-1 9786612817366 0-470-93819-6 0-470-93818-8
Edizione	[7th ed.]
Descrizione fisica	1 online resource (89 p.)
Collana	AIChE technical manual
Disciplina	628.9/22
Soggetti	Fire prevention Explosions Fire risk assessment
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Dow's Fire & Explosion Index Hazard Classification Guide; TABLE OF CONTENTS; Preface; Introduction: The Fire & Explosion Index System; Procedure for Risk Analysis Calculations; FIGURES; 1 - Procedure for Calculating F&EI and Other Risk Analysis Information; FORMS; Fire and Explosion Index Form; Loss Control Credit Factors Form; Process Unit Risk Analysis Summary Form; Manufacturing Unit Risk Analysis Summary Form; Selection of Pertinent Process Units; Determination of Material Factor; TABLES; 1 - Material Factor Determination Guide; 2 - Material Factor Temperature Adjustment Process Unit Hazards FactorsGeneral Process Hazards; Special Process Hazards; 3 - Dust Explosion Penalty; 4 - High Pressure Penalty for Flammable and Combustible Liquids; 2 - Pressure Penalty for Flammable and Combustible Liquids; 3 - Liquids or Gases in Process; 4 - Liquids or Gases in Storage; 5 - Combustible Solids in Storage/Dust in Process; 6 - Fired Equipment Penalty; 5 - Hot Oil Heat Exchange System Penalty; Determination of Process Unit Hazards Factor; Determination of Fire and Explosion Index; 6 - Degree of Hazard for F&EI; Loss Control Credit Factors

Process Unit Risk Analysis Summary7 - Radius of Exposure; 8 - Damage Factor; 9 - Maximum Probable Days Outage; Discussion of MPPD, BI and Plant Layout; Manufacturing Unit Risk Analysis Summary; Risk Analysis Package; APPENDICES; A - Material Factors; B - Special Material Factor Considerations for Mixtures; C - Basic Preventive and Protective Features; D - Loss Prevention Checklist; E - Equations for Damage Factor Data; F - Acronyms and Abbreviations

Sommario/riassunto

This popular safety best-seller is designed to help the user quantify the expected damage of potential fire and explosion incidents in realistic terms, identify the equipment likely to contribute to the creation or escalation of an incident, and communicate the fire and explosion risk potential to management. Based on Dow's Fire and Explosion Risk Analysis Program, the index provides a step-by-step, objective evaluation of the actual fire and explosion, as well as reactivity potential of process equipment and its contents.