

Safety and Reliability Information Guide

Locating Safety and Reliability related books

The following is a list of key shelf numbers for the safety and reliability subject area. If you are looking for a particular book please check the library catalogue.

Accident prevention	614.8	Health and safety	614.8
Automotive safety	629.2136	Machinery safety	614.838
Crashworthiness	656.04	Maintenance	658.202
Engineering disasters	614.8	Nuclear safety	621.4835
Environmental Health & pollution	614.7	Practical reliability & quality	621.47
Failure, stress & strain	620.112	Risk assessment	614.8
Fires & fire prevention	614.84	Statistical reliability	310.21

Useful Books

Andrews J D, Reliability and risk assessment	310.21 AND
Kletz T A, Hazop and hazan: identifying and assessing process industry hazards	660.2804 KLE
Lawson D, Engineering disasters – lessons to be learned 2005	614.8 LAW
Fire safety 2006	614.84 SAE (Oversize)
Smith A M and Hinchcliffe G R, RCM: gateway to world class maintenance 2004	658.202 SMI
Reliability and robust design in automotive engineering 2006	629.2 SAE (Oversize)
Macdonald D, Practical industrial safety, risk assessment and shutdown systems for industry	614.7 MAC
Moss T R, The reliability data handbook 2005	310.21 MOS
Ridley J, Health and safety in brief 2004	614.8 RID
Ridley J, Safety with machinery 2006	614.838 RID
Perry P, Winning with health and safety: a guide for business 2005	614.7 PER (Oversize)
Thompson G, Improving maintainability and reliability through design	658.202 THO
Tweedale M, Managing risk and reliability of process plants 2003	660.2804 TWE
Wong W, How did that happen 2002	614.8 WON
Wong W, Keep it running, keep it safe 2004	614.8 WON
<i>Oversize shelved on the bottom two shelves</i>	

The following electronic books are available on the Knovel database in the Virtual Library.

Cheremisinoff N P, Environmental and health & safety management – a guide to compliance 1995
 Johnson R W et al, Essential practices for managing chemical reactivity hazards 2003
 Eckhoff R K, Explosion hazards in the process industries 2005
 Nolan D P, Fire fighting pumping systems at industrial facilities 1998
 Nolan D P, Application of HAZOP and What-If Safety Reviews to the Petroleum, Petrochemical and Chemical Industries

Ebooks

Available via the Knovel service in the Virtual Library

Guidelines for engineering design for process safety 1993
Handbook of fire and explosion protection engineering principles for oil, gas, chemical, and related facilities
Affonso, L, Machinery failure analysis handbook – sustain your operations and maximise uptime 2006
Davletshina T A, Industrial fire safety guidebook 1998
Goettsch, L, Maintenance of instruments and systems 2nd ed 2005
Hester R E and Harrison R M, Risk assessment and risk management 1998
Mobley R K, Root cause failure analysis 1999
Cox A and Tait R, Safety, reliability and risk management – an integrated approach 2nd ed 1998
Crowl D A, Understanding explosions 2003

Available via the Books24x7 service in the Virtual Library

A manager's guide to health and safety at work, Kogan, 2003
Benchmarking best practices in maintenance management, Industrial Press, 2004
Effective maintenance management: risk and reliability, Industrial Press. 2004
Handbook of reliability engineering, Springer, 2003
Health and safety at work: an essential guide for managers, (revised 8th edition), Kogan, 2008
Health, safety and environmental legislation, Royal Society of Chemistry, 2003
The little black book of maintenance excellence, Industrial Press, 2008
The little black book of reliability management, Industrial Press, 2008
Maintainability, availability and operational readiness, DEStech Publications, 2003
Managing risk and reliability of process plants, Gulf Professional Publishing, 2003
Preventive maintenance, Industrial Press, 2008
Process problem solving: a guide for maintenance, Productivity Press, 2001
RCM guidebook: building a reliable plant maintenance, PennWell Corp, 2004
Reliability engineering handbook, volume 1, DEStech Publications, 2002
Reliability engineering handbook, volume 2, DEStech Publications, 2002
Reliability and life testing handbook, volume 1, DEStech Publications, 2002
Reliability and life testing handbook, volume 2, DEStech Publications, 2002
Systems reliability and failure prevention, Artech House, 2004

Recent IMechE Safety and Reliability conferences and seminars

These are shelved alphabetically by year in the Conference/Seminar section of the library.

[Challenges for our ageing asset base - ensuring safety, reliability and operability](#), 2008

[Cost of safety through life](#), 2006

[Fit for purpose safety cases in a changing nuclear industry](#), 2006

[Reliability development – testing and analysis](#), 2006

[Risk education for engineers](#), 2007

[Software reliability](#), 2007

[Using human factors – major gains and no pain](#), 2008

Useful Journals

Please check the library catalogue to see if the library subscribes to your required journal. Current issues of key journals are held on the journal display rack. The back copies of these journals are stored in the basement. Please ask a member of staff if you wish to view any and they will be retrieved for you. This generally takes 10-15 minutes.

Fire prevention and fire engineers' journal, 1975-

Health and safety at work (HSW), 1 year

IMechE Proceedings part O Journal of risk and reliability, 2006-

Insight, 1959-

The ROSPA occupational safety and health journal, 5 years

A number of journals are available electronically via EBSCOhost which is available in the IMechE Virtual Library. Click here to see a list of [titles](#) or to see [titles by subject](#).

Useful links

Health and Safety Executive

<http://www.hse.gov.uk>

British Safety Council

<http://www.britishsafetycouncil.co.uk>

DMOZ

http://dmoz.org/Science/Technology/Safety_Engineering