Safety and technical references available in the Fire Science Laboratory, including books, papers and notes are listed below for convenience.

**Safety Related Books**

1. Hazardous Chemicals Desk Reference
2. Safety in Academic Chemistry Laboratories
3. Prudent Practices in the Laboratory
4. Laboratory Safety Pocket Handbook  
   page 67, Standard Methods of Prevention  
   page 94, Hazards of Compressed Gas  
   page 125, Electrical Safety  
   page 137, Emergencies  
   page 171, Selection Criteria for Protection Devices  
   page 177, How to Read and Understand a MSDS
5. Safety in the Academic Chemistry Laboratory
6. Hazardous Chemicals Desk Reference
7. Matheson General Regulator Instruction Handbook
8. Matheson Guide to Safe Handling of Compressed Gas
9. Gas Data Book
10. Guidelines for Incorporating Safety and Health into Engineering Curricula
11. The Pocket Reference  
    page 7, Air and Gases  
    page 33, Carpentry  
    page 109, Electrical  
    page 257, Glues, Solvents, Paints and Finishes  
    page 271, Hardware  
    page 339, Plumbing and Pipe  
    page 355, Steel and Metals  
    page 385, Tools
12. Cone SOP
13. LIFT SOP
14. LODS SOP
15. Smoke Chamber SOP
16. Natural Gas Line SOP
Safety Related Notes

1. Introduction to Personal Protective Equipment
2. Choosing Protective Eyewear
3. Choosing Protective Hearing Protection
4. Choosing Respiratory Protection
5. Choosing Chemical Protective Gloves
6. Chemical Compatibility for Gloves
7. Selecting Chemical Protective Clothing for Vapor and Splash Protection
8. Choosing Work Shoes
9. Safety Acronyms
10. WPI Golden Rules of Lab Safety
11. WPI Hazardous Waste Pickup Procedures
12. WPI Chemical Hygiene Plan
15. The ANSI Standardized MSDS
16. Protecting Against Chemical Hazards, Your Checklist for Safe Use of Chemicals
18. Bonding and Grounding for Chemical Transfer
19. Chemical Warning Labels
20. Spill Control, Assessing Your Needs and Choosing the Right Sorbants
21. Corrosion and Chemical Resistance Table, A guide to Common Materials
22. Safety Can/Solvent Compatibility Table
23. Matheson Manual for Flash Arrestors
24. Compressed Gas Glossary
25. Gas Cylinder Storage and Handling
26. Regulator Material and Gas Compatibility
27. CGA Connection Fittings (for compressed gas)
28. Types of Regulators
29. Laser Safety Basics
30. Proper Lifting Techniques
31. Hazard Tape Color Coding
32. ANSI Hazardous Material Pipe Marking Standard
33. National Pipe Thread (NPT) Minimum Required Thread Engagement
**Technical Books and Handbooks**

1. Temperature Measurement in Engineering, Volume 1
2. Temperature Measurement in Engineering, Volume 2
3. Flow Measurement
4. Fundamentals of Temperature, Pressure and Flow Measurement
5. Handbook of Transducers
6. Measure for Measure

7. NFPA Handbook
8. SFPE Handbook
10. Sprinkler Handbook
11. Marks Standard Handbook for Mechanical Engineers
12. Handbook of Math and Physics

13. 1998 National Fire Codes
15. 1998 Annual Book of ASTM Standards (Construction)

17. America Burning Revisited, 1987
18. Uses of NFIRS
19. NFIRS Analysis, Investigating Residential Fire Rates

**Technical Notes**

1. Introduction to Thermocouples
2. Practical Guidelines for Temperature Measurement
3. Thermocouple Measurements in the Presence of High Common Mode Voltages
4. Measuring Temperature With Thermocouples, A Tutorial
5. Measuring Temperature with Thermisters
6. Infrared Temperature Measurement Theory
7. Non Contact Temperature Measurement, Omega Transactions Publication

8. Data Acquisition Tutorial
9. Signal Conditioning Tutorial
10. Field Wiring and Noise Considerations for Analog Signals
11. Signal Conditioning Fundamentals for PC Based Data Acquisition Systems

12. Pressure Gage Accuracy
13. Solenoid Valves
14. Air Operated Valves
15. Technical Principles of Valves
16. Strain Gage Measurement, A Tutorial
17. Liquid Flowmeters
18. Properties of Thermoplastic Materials
19. Methods for Purging Regulators
20. O Ring Information
21. Flow and Pressure Engineering Applications Guidebook
22. Casting Guide
23. Straight Thread Dimensions
24. Water Hammer
25. Fiber optics

Website Links

1. OSHA webpage, www.osha.com
2. Vermont SIRI MSDS online webpage, www.hazard.com/msds
3. NIOSH webpage, www.cdc.gov/niosh/homepage.html
4. WPI Environmental and Occupational Safety Office, www.wpi.edu/Admin/Safety
5. WPI Chemical Hygiene Plan, www.wpi.edu/Admin/Depts/Safety/Laboratory/hygiene.html

11. ANSI, www.ansi.org