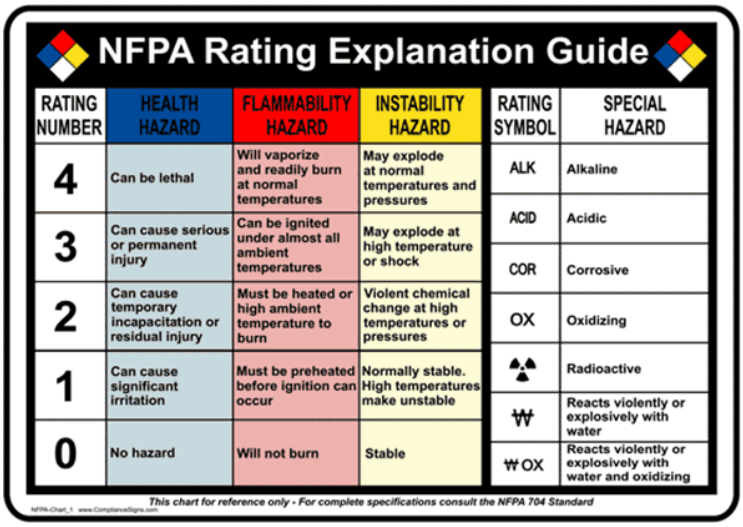
GHS Hazard Recognition Pictograms



NFPA Rating Explanation Guide

RATING NUMBER	HEALTH HAZARD	FLAMMABILITY HAZARD	INSTABILITY HAZARD
4	Can be lethal	Will vaporize and readily burn at normal temperatures	May explode at normal temperatures and pressures
3	Can cause serious or permanent injury	Can be ignited under almost all ambient temperatures	May explode at high temperature or shock
2	Can cause temporary incapacitation or residual injury	Must be heated or high ambient temperature to burn	Violent chemical change at high temperatures or pressures
1	Can cause significant irritation	Must be preheated before ignition can occur	Normally stable. High temperatures make unstable
0	No hazard	Will not burn	Stable

RATING SYMBOL	SPECIAL HAZARD
ALK	Alkaline
ACID	Acidic
COR	Corrosive
OX	Oxidizing
	Radioactive
W	Reacts violently or explosively with water
W OX	Reacts violently or explosively with water and oxidizing

This chart for reference only - For complete specifications consult the NFPA 704 Standard

Incident or Emergency Response

- In case of an emergency immediately call 9-1-1.
- Spills - Assess the situation and notify the instructor. Small low level hazard spills can be cleaned up with the help of the TA using the spill kit in the prep room. If the spill is flammable, shut gas off immediately.
- Glass Breakage – DO NOT HANDLE broken glass with bare hands, consult TA or instructor on how to clean-up. Put the broken glass in the Broken Glass Container – not in the trashcan. Fill out a breakage slip and place it the box in the prep room. The TA will use the mercury spill kit to clean up thermometers – never put them in the trashcan.
- Personal Injury – **all** injuries and near misses must be reported regardless of severity.
  Minor injuries may be treated as follows:
  - Cuts – Rinse with water. Band-Aids are available from your TA.
  - Thermal Burns – Flush with cold water. Do not cover. Report to your instructor/ TA immediately.
  - Chemical Burns – Flush for 15 min. using sink, shower or eyewash. Report to your instructor/ TA immediately.

  Fill out a student accident report online. Form available via: http://www.cwu.edu/~web/cwu-accident-report/
- Power Outage – Await instructions. If power is not restored in 15 min., your TA will help you to begin shutting down the lab. Put all chemicals away. Turn off gas and electrical equipment. Pull hood sashes down.
- Fire Alarm Sounds – Indicates imminent danger. Close chemical containers, shut off gas and electricity, exit from labs down the stairwell – do not use elevators. Your instructor will provide specific information concerning the remainder of the lab and re-entry into the building. Faculty, staff and TAs will assemble on the lawn on the **Northside of the Japanese Garden**. DO NOT CLEAN UP OR PUT THINGS AWAY – EVACUATE IMMEDIATELY!

If you have any questions, the following people are your safety resources:

- your TA
- your Lab Instructor
- Chemistry Stockroom Manager – Tony Brown – SCIE 303, 963-1303
- Chemistry Department Safety Representative – Daniel Hall – SCIE 315, 509-963-1307
- Campus Safety – Katie Litzenberger – 509-963-2

For additional department safety information visit the department safety web page at
http://www.cwu.edu/chemistry/laboratory-safety

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