

Chemical Labels - HMIS

OSHA Standard 1910.1200

Every person who works with or around chemicals must understand the Labeling System

Hazards - three basic hazard classifications for chemicals

Health Hazards are those that can affect the immediate or long term health of an employee if exposed to a specific chemical. Acute effects of exposure are those that present symptoms when exposure occurs, such as when skin is exposed to an acid. Delayed or long term health effects can also occur from chemical exposure, such as cancer. Health effects for any given chemical will depend on the toxicity, duration of exposure and amount of exposure.

Flammability ratings range from *non-flammable* to *highly flammable*. The HMIS ratings are based on the material flashpoint - the temperature at which the chemical *vapors* will ignite.

Reactivity ratings describe the hazards of the material stability - some chemicals will explode or react violently if exposed to heat or shock

Hazard Controls include:

- Labeling of all chemicals
- Proper chemical storage containers & areas
- Segregation of incompatible chemicals
- Personal Protective Equipment
- Use of chemicals by training and authorized employees
- Use of minimum amount necessary
- Bonding & Grounding of flammable liquid containers

Health Hazards

- 4 - Severe
- 3 - Extreme Danger
- 2 - Hazardous
- 1 - Slightly Hazardous
- 0 - Normal Material

Fire Hazards - Flash Points




- 4 - Below 73 degrees F
- 3 - Below 100 degrees F
- 2 - Above 100 degrees F
- 1 - Will Not Burn

REACTIVITY

- 4 - May Detonate
- 3 - Shock or heat may cause detonation
- 2 - Violent change
- 1 - Unstable if heated
- 0 - Stable

PERSONAL PROTECTION

Pictures will be placed here of any PPE required.
Follow PPE requirements and any other special instructions listed

| | | |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CHEMICAL NAME and No. | | |
| 4 HEALTH | | |
| 2 FLAMMABILITY | | |
| 1 REACTIVITY | | |
| PERSONAL PROTECTION | | |
|  |  |  |
| Additional Information | | |
| For additional hazard information and instructions, consult the specific chemical Material Safety Data Sheet (MSDS) | | |