Chemical Hazard

October 2023

Housekeeping



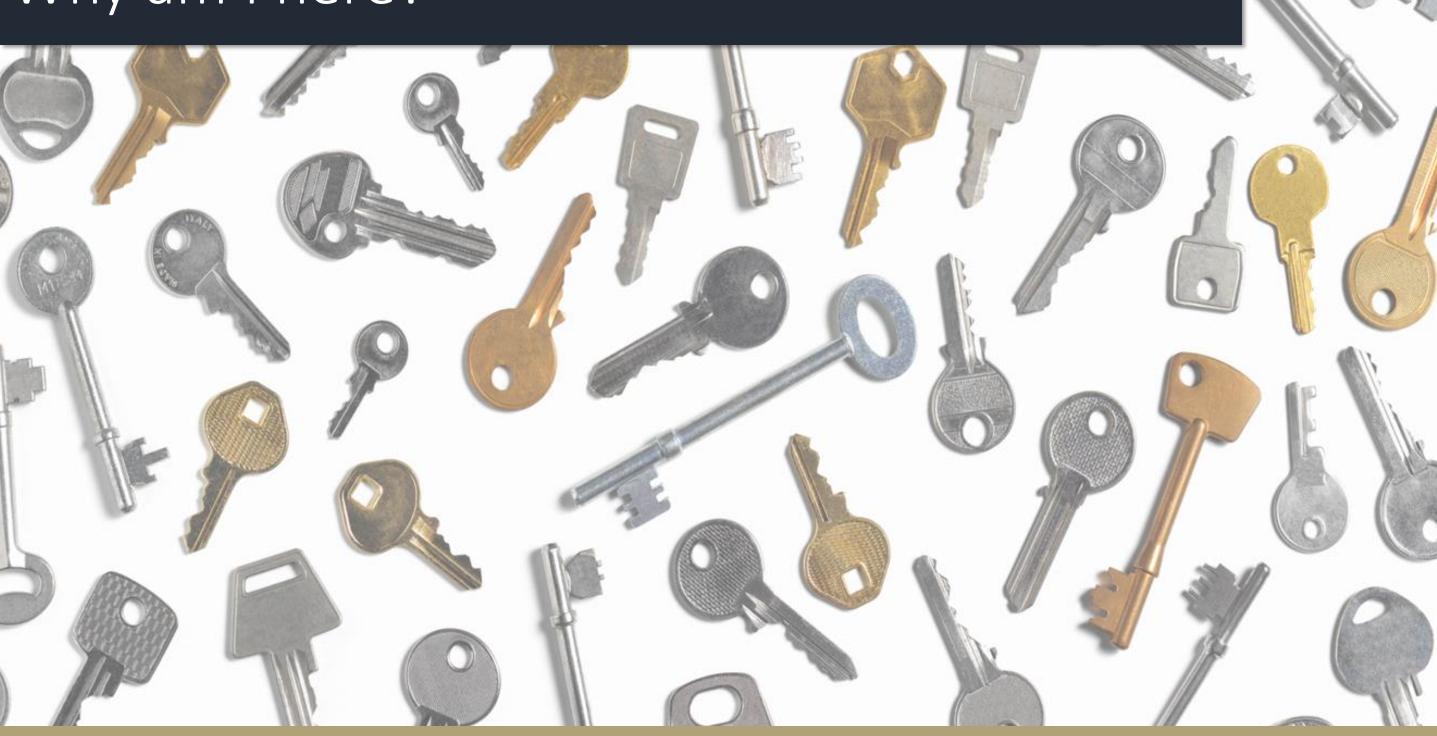
Muster Point

Presenter & Introductions



Safety begins with me!

Why am I here?



You are the KEY to SAFETY!

Chemical Hazards and Toxic Substances





Types of Chemicals

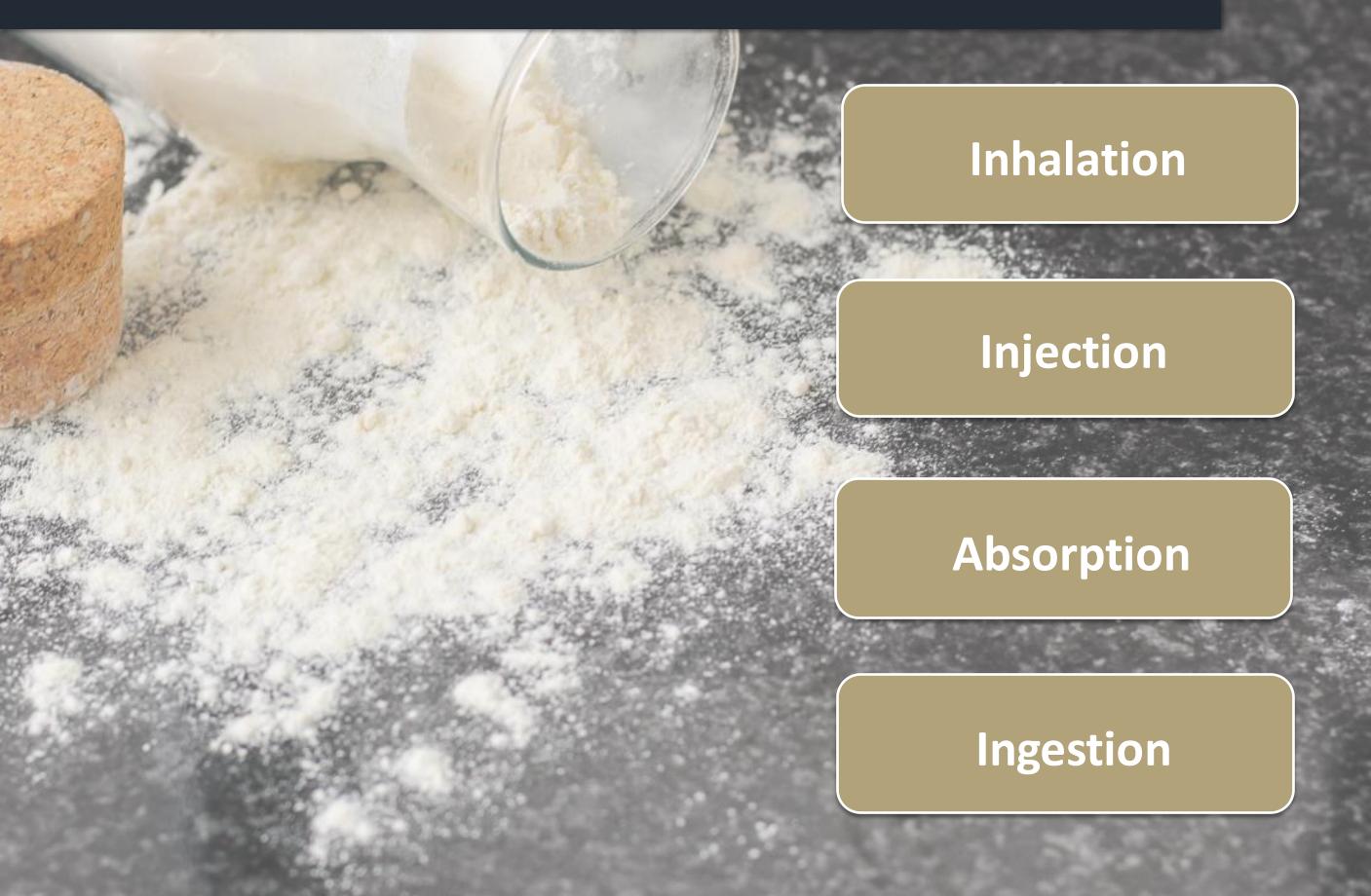


Types of Chemicals, cont.



- Organic Peroxides
- Water Reactive
- Air Reactive
- Sensitizers
- Teratogens

Routes of Exposure



Symptoms of Chemical Exposure

Neurologic

Respiratory

Cardiovascular

Immunologic

Severity of Health Effects



Chronic Health Effects

Acute Health Effects

Workers' "Right to Know" Law

Employers are required

- to ensure that all employees know the hazards of chemicals they work with at their jobs
- to ensure that employees are provided with information about chemicals they work with through:

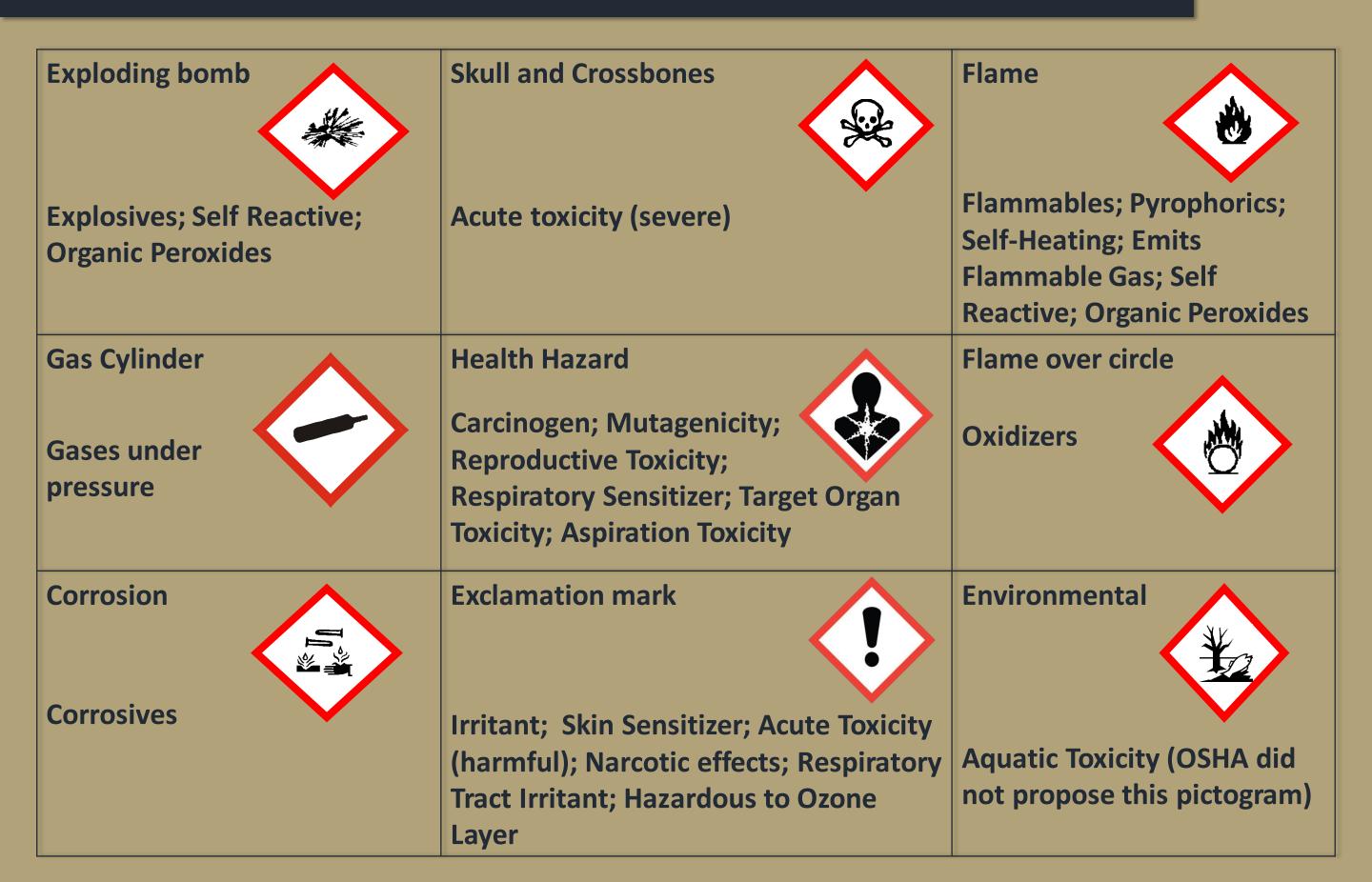
XELO

- Information on chemical labels
- Safety Data Sheets (SDSs)
- Training on hazard communication (HAZCOM)
- Written HAZCOM plan

Globally Harmonized System (GHS)



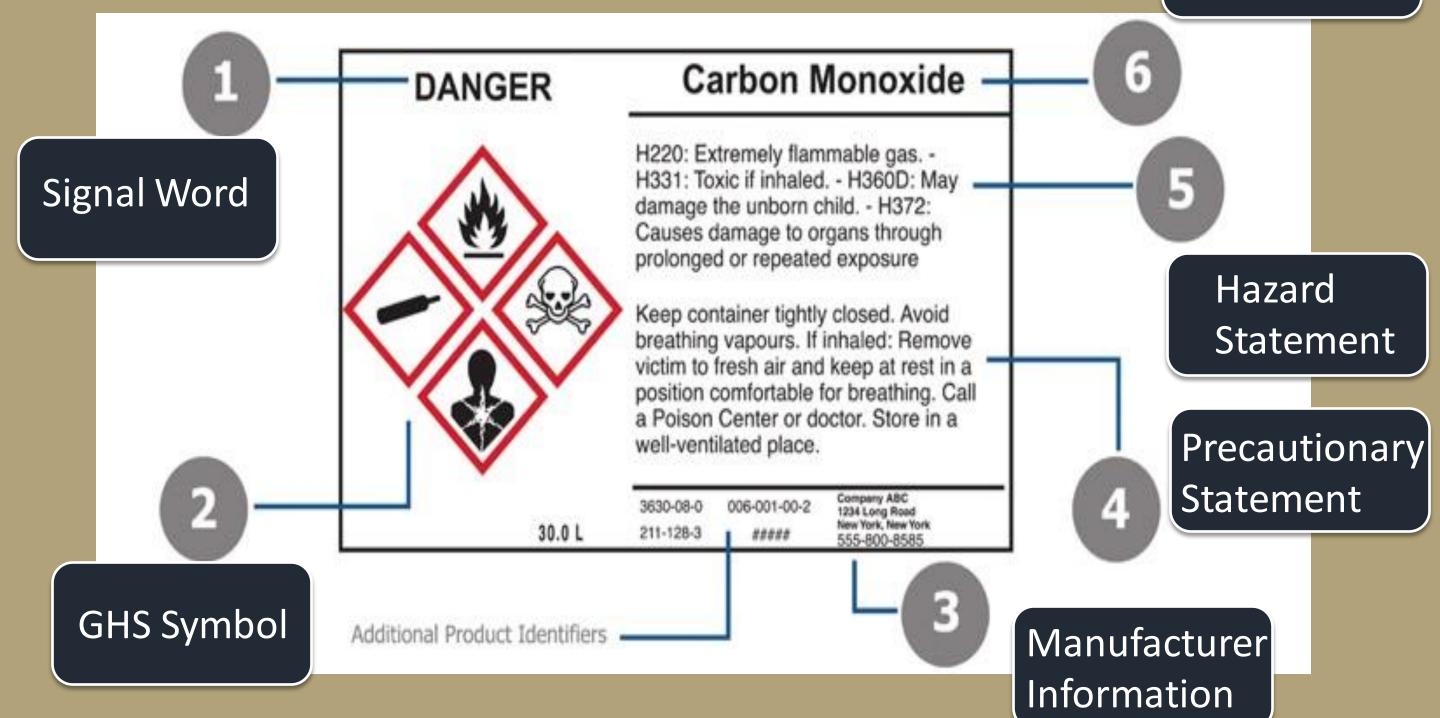
Globally Harmonized System (GHS), cont.



Container Labeling in the Workplace

There are 6 elements of a GHS label:

Product Name



https://www.bradyid.com/en-us/applications/ghs-labeling-requirements

Primary vs Secondary Container Labeling

Safety Data Sheets



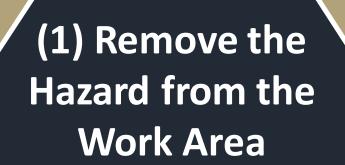
Safety Data Sheets, cont.

- 1. Identification
- 2. Hazard(s) identification
- 3. Composition/information on ingredients
- 4. First-aid measures
- 5. Fire-fighting measures
- 6. Accidental release measures
- 7. Handling and storage
- 8. Exposure control/personal protection
- 9. Physical and chemical properties
- 10. Stability and reactivity
- 11. Toxicological information
- 12. Ecological information
- 13. Disposal considerations
- 14. Transport information
- 15. Regulatory information
- 16. Other information

OSHA requires sections 1-11 and 16 be mandatory

Not regulated by OSHA

Chemical Hazard Control Approaches



(2) Review and Follow Work Policies and Procedures

(3) Wear Personal Protective Equipment

Personal Protective Equipment (PPE)









One Team

QUESTIONS?