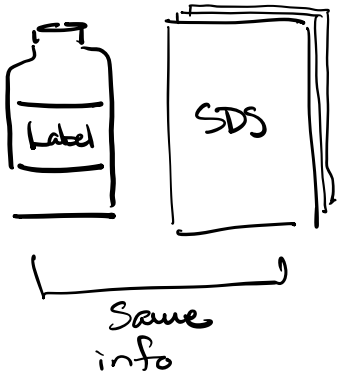
Global Harmonized System GHS

What is GHS?

A System of Communication of Chemical Hazards that can be used anywhere. Adopted by the UN.

1. Rules for Classifying the hazards of Chemicals.

2. Hazard Communication tools
   - Safety Data Sheets (SDS)
   - Content for labels & SDS
     * Hazard & precautionary Statements
     * Symbols (pictograms - 8 different)
     * Signal words



Scope of GHS

- industrial Chemicals
- Consumer Chemicals
- Pesticides
- Ag Chemicals
- Pharmaceuticals
- Education

Key Terms

- SDS - Safety Data Sheet. 16 sections in a set order with a set of minimum info.

- Labels - Standardized Elements:
  - Chemical identity
  - Hazard Statements
  - Signal word
  - pictogram
  - Precautionary Statements

- Hazard Group - Health, physical, Environmental

- Hazard Class - Describes the different types of hazards

- Category - Describes the Sub-section of Class.

1 most Hazardous
2
3
4
↓ Least

Example - Self-Reactives have 7 categories. Each category has Rules that define it. Rules numbered with #1 being the most Hazardous.

- Hazard Statement - Each category of a Class has a specific hazard Statment(s). The hazard statement must be on the label & in the SDS.

- Precautionary Statement - Standardized statements that describe the steps to be taken to reduce or eliminate adverse effects from exposure.

- Signal Word - There are only 2
  - Danger
  - Warning
  - No Signal word

- Pictogram - A visual representation of the type of hazard. 8 pictograms. more than 1 pictogram may be used for a chemical

National Fire Protection Standard (NFPA)

Health

0 - Hazard no greater than ordinary material

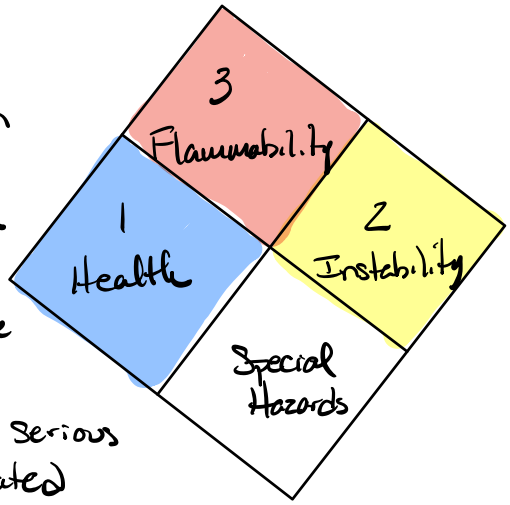
1 - May cause irritation

2 - Intense, prolonged exposure may cause incapacitation

3 - Exposure can cause serious injury even if treated

4 - Exposure may cause death

most Hazardous



GHS System

Hazard Class

1 most Hazardous

2

3

4 least Hazardous

Understanding Labeling

Understanding info Contained in SDS

Understanding How to Obtain SDS