

## CONCEPT: SAFETY & LABELS

Chemical labels are an essential part to any analytical lab. They provide crucial information on the usage, application and storage of compounds and chemicals.

Occupational Safety and Health Administration (**OHSA**) as part of the Department of Labor have been essential for the guidelines for the construction of accurate and useful chemical hazard labels.

### Health Hazard

Flash Points



- 4 - **DEADLY**: Protective gear required.
- 3 - **EXTREME DANGER**: Avoid exposure to skin.
- 2 - **HAZARDOUS**: Harmful if inhaled or absorbed through the skin.
- 1 - **SLIGHTLY HAZARD**: May cause irritation.
- 0 - **NORMAL MATERIAL**: No irritation.

### Fire Hazard

Flash Points

- 4 - **DANGER**: Below \_\_\_\_\_ °F
- 3 - **WARNING**: Below \_\_\_\_\_ °F
- 2 - **CAUTION**: Between \_\_\_\_\_ °F & \_\_\_\_\_ °F
- 1 - **CAUTION**: Above \_\_\_\_\_ °F
- 0 - **STABLE**: Will not burn.

### Specific Hazard

- \_\_\_\_\_ - Acid
- \_\_\_\_\_ - Alkali
- \_\_\_\_\_ - Corrosive
- \_\_\_\_\_ - Oxidizer
- \_\_\_\_\_ - Polymerization
- \_\_\_\_\_ - Simple Asphyxiants
-  - Radioactive
-  - Use No Water

CHEMICAL NAME \_\_\_\_\_

MSDS # \_\_\_\_\_

### Instability Hazard

Detonation Requirement

- 4 - **DANGER**: At Room Temperature
- 3 - **DANGER**: Shocked, heated, enclosed or mixed with H<sub>2</sub>O
- 2 - **WARNING**: Chemical reaction if mixed with H<sub>2</sub>O
- 1 - **CAUTION**: Heated or mixed with H<sub>2</sub>O
- 0 - **STABLE**: Will not detonate.

