PLEA HSE Awareness

Hazard Communication
1.1. HAZCOM STANDARD

- Based on the US OSHA’s Safety Standard 1910.1200 is sometimes called the “Right-to-Know” law
- Based on also the TT OSH Act Section 3

1.2. WHAT MAKES A CHEMICAL “HAZARDOUS” ?

A hazardous substance is any substance which can cause injury (a physical hazard) or cause illness (a health hazard) in a person.

A hazardous substance can hurt you in one of two ways:
- If the substance can cause an explosion, fire, or cause a violent reaction, it is called a physical hazard.
- If a substance would cause you to get sick or become ill, then it creates a health hazard.
1.3. REQUIREMENTS OF A HAZARD COMMUNICATION PROGRAM

A **HAZARD COMMUNICATION PROGRAMME** consists of:

- Lists of chemicals
- Material Safety Data Sheets (MSDS)
- Labels and warning signs
- Training

- **LABEL DIAGRAMS** – NFPA (SPELL OUT) DIAMOND
- **HMIS** – Hazardous Material Identification System
What kind of information can be found in an MSDS?

**MSDS** means *Material Safety Data Sheet.*

- There must be a MSDS for each chemical.
- MSDS contains important safety information. It was developed by the producer of that chemical.
- MSDS for each substance must be located at each worksite and always available.
- MSDS must always be kept current (up-to-date).
MSDS CONTENTS

• Physical
• Health
• Storage & Handling
• PPE Requirements
• Disposal
• Fire Extinguishment
• Etc
INFORMATION FOUND IN AN MSDS

The box below shows some of information that can be found in a MSDS.

1.) Safe Use & Handling Information
Examples: Permissible Exposure Limits (PEL), Personal Protective Equipment (PPE) requirements, and special handling and storage information

2.) Disposal Information
Examples: Steps for cleaning up spills, and steps for proper disposal of spills.

3.) Emergency Information
Examples: Fire and Explosion Hazard information and the right steps for putting out a fire (if the substance is flammable).
Examples of Hazardous Materials

• Asbestos

• Methanol

• Lead

• Natural Gas
Examples of Hazardous Materials

- Radiation
- Chlorine
- Ammonia
- Thinners