

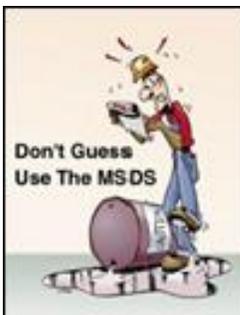


## HANDOUT

Compulsory to OSHA's Haz Com Standard, employers must protect workers from these exposures and provide effective training to employees exposed to hazardous chemicals. OSHA's standard is based on a single concept, employees have a right to know the hazards and the identities of the chemicals they are exposed to while working.

### CONTAINER LABELING

- All containers must have a label, tag, or marking that indicates any safety or health hazard.
- All warning labels, tags, etc., must be maintained in a legible condition.



### MATERIAL SAFETY DATA SHEETS (MSDS)

- Product Information
  - Common name and chemical name of the material
  - Name, address and phone number of the manufacture
  - Emergency phone numbers for immediate hazard information
- Hazardous Ingredients
  - Identifies the hazardous components of the product
  - Chemical hazards of the material
  - OSHA's permissible exposure limits (PEL) and threshold limit value (TLV)
- Physical Data
  - Describes the product's appearance and odor, and health, physical, and environmental hazards
- Fire and Explosion Data
  - This section describes fire and explosion properties of the product
  - Material flash point, auto ignition temperature and upper/lower flammable limits
  - Proper fire extinguishing agents to be used
  - Fire fighting techniques to be used
  - Any unusual fire or explosive hazards
- Chemical Reaction Information
  - Stability of chemical

- Conditions and other materials which can cause reactions with the chemical
- Dangerous substances that can be produced when the chemical reacts
- Health Hazard Information
  - This section includes the health affects of exposure
  - Emergency and first aid procedures
  - Main routes of entry into the body
  - Medical conditions that can be made worse by exposure
  - Cancer causing properties if any
- Exposure Control Measures
  - Engineering controls required for safe product use
  - Personal protective equipment (PPE) required for use of the product
  - Safe storage requirements and guidelines
  - Safe handling procedures
- Chemical health hazards
  - Permissible Exposure Limits (PPL) and Threshold Limit Value (TLV)
  - Acute or chronic symptoms of exposure
  - Emergency and first aid treatments
- Spill and Leak Procedures
  - Clean up techniques
  - Personal protective equipment to be used during clean up
  - Disposal of waste and clean up material

## GENERAL CHEMICAL SAFETY

- Read Material Safety Data Sheets for every product used or encountered
- Keep work area clean and orderly
- Use necessary safety equipment
- Label every container with the identity of its contents and appropriate hazard warnings
- Store incompatible chemicals in separate areas
- If you have questions or concerns at any time, consult with Immediate supervisor



## EMERGENCIES



- Follow county Emergency Action Plan
- Evacuate people from the area
- Isolate the area
- If the material is flammable, turn off ignition and heat sources
- Call for HAZMAT Team assistance if required