Tailgate/Toolbox Safety Training

Safety Services Company-Safety Meeting Division, PO Box 6408 Yuma, AZ 85366-6408 Toll Free (866) 204-4786

Company Name: _____ Job Site Location: _____

Date: _____ Start Time: _____ Finish Time: _____ Foreman/Supervisor: _____

Topic 27: Guidelines for Reading MSDS Sheets

Introduction: Chemicals pose a wide range of health hazards (such as irritation, sensitization, and carcinogenicity) and physical hazards (such as flammability, corrosion, and reactivity). Estimates are that millions of workers are exposed to hundreds of thousands of hazardous chemical products in millions of American workplaces. All employers with hazardous chemicals in their workplaces must prepare and implement a written hazard communication program. They must ensure that all containers are labeled, that employees are provided access to MSDSs, and that an effective training program is conducted for all potentially exposed employees.

The basic goal of a Hazard Communication Program is to be sure employers and employees know about work hazards and how to protect themselves in order to reduce the incidence of chemical related illnesses and injuries.

A vital part of this Hazard Communication program is the maintaining of a file of ***Material Safety Data Sheets (MSDSs)*** for all of the hazardous chemicals used (information must be written in English); insuring employees have the necessary training to understand the terminology contained in the MSDSs is a requirement. Following is a "breakdown" of the various sections contained in the MSDSs.

An OSHA approved MSDS should contain the following format and information:

① – Section I — Identification

- ☒ Chemical name as it appears on the label
- ☒ Manufacturer's name and address
- ☒ Emergency telephone number
- ☒ Date prepared and the signature of the preparer

② – Section II — Hazardous Ingredients/Identity Information

- ☑ Hazardous Components: Contains the specific chemical identity, its formula, and any common names it is known by.
- ☑ OSHA Permissible Exposure Limits (PELs)
- ☑ American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)
- ☑ Other exposure limits

③ – Section III — Physical /Chemical Characteristics

- ☒ Boiling Point
- ☒ Vapor Pressure (mm Hg)
- ☒ Vapor Density
- ☒ Solubility in Water
- ☒ Appearance and Odor
- ☒ Specific Gravity

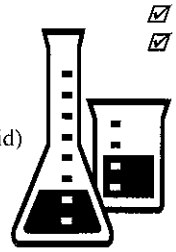
- ☒ Melting Point
- ☒ Evaporation Rate

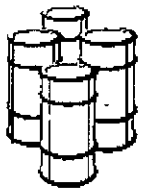
④ – Section IV — Fire and Explosion Hazard Data

- ☑ Flash Point
- ☑ Flammable Limits
- ☑ Extinguishing Media
- ☑ Special Fire Fighting Procedures
- ☑ Unusual Fire and Explosion Hazards

⑤ – Section V — Reactivity Data

- ☒ Stability
- ☒ Incompatibility (Materials to avoid)





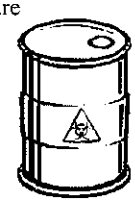
- ☒ Hazardous Decomposition or By-products
- ☒ Hazardous Polymerization

⑥ – Section VI — Health Hazard Data

- ☑ Routes of Entry
- ☑ Health Hazards
- ☑ Carcinogenicity
- ☑ Signs and Symptoms of Exposure
- ☑ Medical Conditions Severely Aggravated by Exposure
- ☑ Emergency First Aid Procedures

⑦ – Section VII — Precautions for Safe Handling and Use

- ☒ Steps to be Taken in Case Material is Released or Spilled
- ☒ Waste Disposal Methods
- ☒ Precautions to Take in Handling and Storing
- ☒ Other Precautions



⑧ – Section VIII — Control Measures (Should be taken whenever the chemical is handled or disposed of during normal use)

- ☑ Respiratory Protection
- ☑ Ventilation
- ☑ Eye and Face Protection
- ☑ Protective Gloves
- ☑ Other Protective Clothing or Equipment

Conclusion: Remember, when exposed to chemicals, always take the time to review the MSDS and familiarize yourself with the hazards, safe handling, and proper First Aid measures associated with the chemical.

Work Site Review

Specific Work-Site Hazards and Safety Suggestions: _____

Employee Signatures: *(My signature attests and verifies my understanding of and agreement to comply with, all company safety policies and regulations, and that I have not suffered, experienced, or sustained any recent job-related injury or illness.)*

_____ _____ _____

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Foreman/Supervisor's Signature: _____

These guidelines do not supercede local, state, or federal regulations and must not be construed as a substitute for, or legal interpretation of, any OSHA regulations.