Presentation Details:
Slides: 19
Duration: 00:10:20
Description:

Hazardous Substances in the Workplace
Hazardous Substances in the Workplace

Each year 6,000 employees in this country die from workplace injuries, according to OSHA, the Occupational Safety and Health Administration. Another 50,000 die from illnesses caused by exposure to workplace hazards. Still another 6 million workers suffer non-fatal workplace injuries at an annual cost to U.S. businesses of more than $125 billion.
Notes:
OSHA requirements regarding hazardous substances are specific and strict.

- Know health hazards and safety precautions related to these hazardous substances.
- Material Safety Data Sheets (MSDS) are provided by chemical producers or distributors for information on chemical, physical, and health hazards.
- Know the regulations regarding label.
- An inventory list of all hazardous materials should be maintained at each facility.
- Specific actions for hazardous materials.
- Report violations of regulations.
- If you come across a new product that you think may be hazardous and you do not have product information, make it your responsibility to find out about the hazards of the product. You can look it up in your community's MSDS or talk to your supervisor. It is your safety – take responsibility for it by being safety conscious.
Slide 6
Routes of Exposure to Hazardous Materials
Duration: 00:00:21
Advance mode: By user

Notes:
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Slide 7
Learning Activity - Exposure Incidents
Duration: 00:00:05
Advance mode: By user

Notes:
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### Slide 8
**Using the MSDS**

*OSHA Hazard Communication in the 21st Century Workplace states “MSDSs are reference documents. They are basically a one-stop shopping source for everything you might need to want to know about a chemical.”*

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<td>A binder of MSDSs should be kept in a central location, and employees should review them. They can be difficult to understand.</td>
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### Slide 9
**Where it should be Located**

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<td>A binder of MSDSs for all hazardous materials in the workplace should be kept in a central location. Employees have a “right to know” about chemicals in the workplace. MSDSs can be long and difficult to understand unless you know what you are looking for and how to interpret it. In one study evaluating how well people understood the MSDS, 39% of the workers found it “difficult to understand” – that means only 1/3 thought the information was easy to use. It’s important you know how to use the MSDS. Let’s look at the sections it is divided into.</td>
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Slide 10
Information on the MSDS
Duration: 00:00:55
Advance mode: By user

Notes:
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Slide 11
No Standardized MSDS
Duration: 00:00:10
Advance mode: By user

Notes:
There is no standardized format for a MSDS, so although what must be included is regulated, product sheets vary in how the information is presented.
As of 2014 you will start to see some changes in Hazard Communication Standards. These changes will take place over the next couple years.
There are two major changes to workplace safety standards that will affect you as a caregiver:

1. **Labels**: Chemical manufacturers and importers will be required to provide a label that includes a “harmonized signal word,” pictogram, and hazard statement for each hazard class and category. Precautionary statements must also be provided.

2. **Safety Data Sheets (SDS)**: Will now have a specified 16-section format. Safety Data Sheets (formerly known as Material Safety Data Sheets) will now have a specific order and format. As you may already know, SDS are documents intended to provide you and any emergency staff with the proper handling procedures for potentially hazardous substances.

Distributors of chemicals will have to comply with these changes by June 1, 2015.

Source: [https://www.osha.gov/dsg/hazcom/](https://www.osha.gov/dsg/hazcom/)
Slide 16
HCS Pictograms and Hazards
Duration: 00:01:46
Advance mode: By user

Notes:
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Slide 17 🕵️
Safety data sheets
Duration: 00:00:08
Advance mode: By user

Notes:
The following is a description of what a proper SDS should help you understand about a chemical you're working with.

Click here for SDS form review

The following is a description of what a proper SDS should help you understand about a chemical you’re working with. Click the link to review.
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<td><strong><a href="http://www.OSHA.gov">www.OSHA.gov</a></strong></td>
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**Notes:**
Be sure you know the hazards of any chemicals or products you come in contact with on your job. Remember, your safety is your responsibility. If you would like to learn more about hazardous substances, check out the OSHA website at [www.osha.gov](http://www.osha.gov).

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**Notes:**
You have reached the end of this lesson. To exit this course, click “exit” in the upper right hand corner or, you can simply close this window.
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