



**Environment, Health and Safety Department**  
**Facilities Planning & Management**  
UNIVERSITY OF WISCONSIN-MADISON

Paul Umbeck  
Director

November 5, 2013

**FACILITY MANAGERS MEETING**

# TOPICS

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- ✖ EH&S Website
- ✖ Asbestos Floor Tiles
- ✖ Hazcom Training
- ✖ AEDs on Campus

# REDESIGNED EH&S WEBSITE



UNIVERSITY OF WISCONSIN-MADISON

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Division of Facilities Planning & Management

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welcome  
to our new website!

>> Click to learn more

**About EH&S**  
Safety is a daily practice at UW-Madison. EH&S envisions a campus where safety awareness and compliance are integrated into everyday operations, making this University a model for safe research and education.  
>> Learn More

**POPULAR SEARCHES**

Services	Guidance/Policy	External Links
Abatement/Asbestos	Animal Contact	Animal Risk Questionnaire
Biosafety Protocol	Bloodborne Pathogens	Biosafety Cabinet Certification
CORD	Chemical Hygiene Plan	HP Assist Login
Dosimetry	Combustible Storage	IBC Internal Login
Ergonomics	DEA Controlled Substances	Pathogen Safety Data Sheets
Fire Extinguishers	Facility Exit & Evacuation	Select Agent Login
Lab Remodeling Assessment	Hazard Communication	SWAP Materials Collection
Lab Inspections/Outreach	Hazmat Shipping	UWell
Lake Conditions	Lab Safety Guide	
Personal Protective Equip	Pesticides	
Safety Data Sheets	Respiratory Protection	
Shower & Eyewash Stations	Sharps Policy	
Safety Glasses	Spill Information	

**QUICK LINKS**

**Emergencies**  
Protocol & contact info for emergency situations

**Training**  
Descriptions & schedules for our training courses

**Disposal Services**  
Disposal of chemicals, animal tissue & sharps

**Forms/Manuals/Signs**  
Pull any form, manual or sign from our database

**Contact List**  
Look here for staff member contact information

**NEWS**

**New Website**  
Our website has changed. Click here to learn more about our new navigation, options and functionalities.

**Safety Glasses Hours Have Changed**  
ATTENTION: The hours for obtaining safety glasses have changed. As of July 15, Friday hours moved to Thursdays.  
>> More News

Environment, Health & Safety, 30 East Campus Mall, Madison, WI 53715-1227 | 608-265-5000 | Fax: 608-262-6767  
Feedback, questions or accessibility issues: [ehsit@fpm.wisc.edu](mailto:ehsit@fpm.wisc.edu)  
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Page last updated: October 30, 2013

- ✗ Check it out and let us know what you think.
- ✗ Send us a comment/email at [ehsit@fpm.wisc.edu](mailto:ehsit@fpm.wisc.edu)



# WHY YOU NEED ASBESTOS AWARENESS

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- ✗ Understand how to identify floor tiles that may contain asbestos
- ✗ Know how furniture can damage tiles and how refinishing tiles can be a health hazard
- ✗ Identify potential concerns with carpet replacement, mastic removal and carpeting that is placed over floor tiles
- ✗ How inappropriate furniture can damage floors
- ✗ Understand the process for asbestos abatement
  - + Physical Plant needs to be involved
  - + Know who to contact

# IMPROPER CHAIRS/CASTERS/GLIDES FOR ASBESTOS-CONTAINING FLOOR TILES





# REVIEWING OPTIONS FOR CHAIRS

## CasterTire™ Floor Savers



Floor damage without CasterTire™



Protect your floor with CasterTire™ 



### Recommended for:

Hardwood floors, VCT, vinyl, linoleum, finished concrete and ceramic tile floors

### Use CasterTire™ Floor Savers to:

- Fit over existing hard plastic caster wheels
- Prevent floor damage and reduce maintenance costs
- Casters roll smoothly and quietly
- Prevent sliding and skidding
- Non-marking
- **One size fits 1<sup>3</sup>/<sub>4</sub>" - 2<sup>1</sup>/<sub>4</sub>" plastic casters**



# OPTIONS FOR GLIDES

## Slip Over® Floor Savers



### Use Slip Over® Floor Savers to

- New easy way to install
- Fits over most swivel glides
- Protect floor surfaces from scratches and rust stains
- Help keep rooms quiet by reducing noise when moving chairs and tables
- Reduce furniture damage by alleviating stress on joints
- Extend the life of original furniture glide
- \*Free installation tool with the purchase of 100 piece or 1000 piece packages



### Recommended for

Hardwood floors, VCT, vinyl, linoleum, finished concrete and ceramic tile floors



### Recommended Use

- Chairs
- Stools
- Desks



*Slip easily over round or square legs*



# METAL RAIL/SLED CHAIR OPTIONS

## Wrap Around™ Floor Savers



### Recommended Use

- Sled based style chairs
- Bookcases
- Desks and credenzas
- File cabinets
- Stackable chairs



### Improvements

- Easy to apply
- Attaches to itself for longer lasting, improved hold
- Conforms to glide or rail to achieve a perfect fit
- NEW vinyl wear cushion distributes weight, causing less wear to pad and floor

### Recommended for

Hardwood floors, VCT, Vinyl, Linoleum,  
Finished concrete and ceramic tile floors





# PROCEDURES DRAFTED

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## Part I

- ✖ Guidelines for Stripping Floor Tile in Acceptable Condition
  - + No bare or damaged asbestos-containing floor tiles

## Part II

- ✖ Guidelines for Damaged Floor Finish
  - + (A) Temporary Repair of Finish on Asbestos-Containing Floor Tile
  - + (B) Stripping & Refinishing Damaged Finish on Asbestos-Containing Floor Tile
  - + (C) Damaged, Missing &/or Broken Asbestos-Containing Floor Tile



# ASBESTOS AWARENESS TRAINING

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- ✖ Can be found at the website of the Office of Human Resource Development (OHRD):  
<https://www.ohrd.wisc.edu>
- ✖ Can also be scheduled through the Abatement Coordinator- Christopher Heidel ([cheidel@fpm.wisc.edu](mailto:cheidel@fpm.wisc.edu)).



# HAZARD COMMUNICATION

- ✖ The standard that gave workers the right to know, now gives YOU the right to understand.

<https://www.osha.gov/dsg/hazcom/index.html>



A screenshot of the Occupational Safety and Health Administration (OSHA) website. The top navigation bar is red with the United States Department of Labor logo and a search bar. Below this is a white bar with the OSHA logo and links to "OSHA QuickTakes", "Newsletter", "RSS Feeds", "Print This Page", and "Text Size". The main content area has a red header with "Occupational Safety &amp; Health Administration" and "We Can Help". Below this is a navigation menu with links: Home, Workers, Regulations, Enforcement, Data &amp; Statistics, Training, Publications, Newsroom, Small Business, and the OSHA logo. The main heading is "OSHA® FactSheet" in large blue and grey letters. Below it, the title "Hazard Communication Standard Final Rule" is displayed in bold black text.

# HAZARD COMMUNICATION

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## × Purpose of Hazard Communication

- Ensure that hazards of chemicals are evaluated
- Information concerning these hazards are transmitted to employers & employees

## × Main Components

- Chemical Inventory
- Labeling
- Safety Data Sheets (SDS)
- Written Program
- Training



# OVERALL IMPACT ON US?

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- ✗ Safety Data Sheets (SDS): The campus will be receiving new SDS with 16 sections from manufacturers. The MSDS must be replaced by SDS
- ✗ Labels: New shipping labels on shipped containers. Workplace chemical containers (transferred chemicals) must be labeled with either the new shipping label OR labeled with the chemical name, words/pictures/symbols that provide information on chemical hazards
- ✗ Training: By December 1, 2013, employees must be trained to recognize and understand the new labels and SDS

# HAZARD COMMUNICATION STANDARD PICTOGRAM

As of June 1, 2015, the Hazard Communication Standard (HCS) will

- ✗ Require pictograms on labels
- ✗ Alert users of the chemical hazards to which they may be exposed
- ✗ Each pictogram consists of
  - + A symbol on a white background framed within a red border and represents a distinct hazard(s)
  - + The pictogram on the label is determined by the chemical hazard classification.



## Health Hazard










- Carcinogen
- Mutagenicity
- Reproductive Toxicity
- Respiratory Sensitizer
- Target Organ Toxicity
- Aspiration Toxicity



# SHIPPING LABEL PICTOGRAMS

## Nine Pictograms

- ✕ Flame Over Circle
- ✕ Flame
- ✕ Exploding
- ✕ Skull & Crossbones
- ✕ Corrosion
- ✕ Gas Cylinder
- ✕ Health Hazard
- ✕ Environment
- ✕ Exclamation Mark

<p><u>Flame over circle</u></p>  <ul style="list-style-type: none"> <li>• Oxidizers</li> </ul>	<p><u>Flame</u></p>  <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Pyrophorics</li> <li>• Self-Heating</li> <li>• Emits Flammable Gas</li> <li>• Self Reactives</li> <li>• Organic Peroxides</li> </ul>	<p><u>Exploding bomb</u></p>  <ul style="list-style-type: none"> <li>• Explosives</li> <li>• Self Reactives</li> <li>• Organic Peroxides</li> </ul>
<p><u>Skull and crossbones</u></p>  <ul style="list-style-type: none"> <li>• Acute toxicity (severe)</li> </ul>	<p><u>Corrosion</u></p>  <ul style="list-style-type: none"> <li>• Corrosives</li> </ul>	<p><u>Gas cylinder</u></p>  <ul style="list-style-type: none"> <li>• Gases under pressure</li> </ul>
<p><u>Health Hazard</u></p>  <ul style="list-style-type: none"> <li>• Carcinogen</li> <li>• Mutagenicity</li> <li>• Reproductive Toxicity</li> <li>• Respiratory Sensitizer</li> <li>• Target Organ Toxicity</li> <li>• Aspiration Toxicity</li> </ul>	<p><u>Environment</u></p>  <ul style="list-style-type: none"> <li>• Aquatic Toxicity</li> </ul>	<p><u>Exclamation mark</u></p>  <ul style="list-style-type: none"> <li>• Irritant</li> <li>• Skin Sensitizer</li> <li>• Acute Toxicity (harmful)</li> <li>• Narcotic effects</li> <li>• Respiratory Tract Irritation</li> <li>• Hazardous to Ozone Layer</li> </ul>

# EFFECTIVE DATES

The table below summarizes the phase-in dates required under the revised Hazard Communication Standard (HCS)

Effective Completion Date	Requirement(s)	Who
December 1, 2013	Train employees on the new label elements and safety data sheet (SDS) format.	Employers
June 1, 2015	Compliance with all modified provisions of this final rule, except...	Chemical manufacturers, importers, distributors and employers
December 1, 2015	...The distributor shall not ship containers labeled by the chemical manufacturer or importer unless it is a GHS label	Chemical manufacturers, importers, distributors and employers
June 1, 2016	Update alternative workplace labeling and hazard communication program as necessary, and provide additional employee training for newly identified physical or health hazards.	Employers
Transition Period to the effective completion dates noted above	May comply with either 29 CFR 1910.1200 (the final standard), or the current standard, or both.	Chemical manufacturers, importers, distributors and employers



# WHAT DO YOU NEED TO DO?

## SAFE WORK PRACTICES

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- ✘ Become familiar with chemicals you are working with
  - Read container labels
  - Review Safety Data Sheets (SDS)
  - Understand physical/health hazards
- ✘ Wear Personal Protective Equipment (PPE)
  - Safety glasses or goggles
  - Gloves
  - Aprons/lab coats
  - Face shields
- ✘ Consider storage requirements
  - Always store heavy containers on lower shelves
  - Store liquid chemicals below eye level
  - Properly label workplace containers (transferred chemicals)
- ✘ Know how to respond if exposed? Questions? Ask your supervisor

# IF YOU HAVE QUESTIONS

For further information on the GHS changes, please contact the UW Madison Hazard Communication Coordinator, Joyce Hinds at 608-890-3993 or [jhinds@fpm.wisc.edu](mailto:jhinds@fpm.wisc.edu) or at our website: [www.ehs.wisc.edu](http://www.ehs.wisc.edu)

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OSHA's Hazard Communication Program is currently being aligned with the Globally Harmonized System of Classification and Labeling Chemicals.



[click to learn more...](#)

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**POPULAR SEARCHES**

<b>Services</b> <ul style="list-style-type: none"><li>Abatement/Asbestos</li><li>Biosafety Protocol</li><li>CORD</li><li>Dosimetry</li><li>Ergonomics</li><li>Fire Extinguishers</li><li>Lab Remodeling Assessment</li><li>Lab Inspections/Outreach</li><li>Lake Conditions</li><li>Personal Protective Equip</li><li>Safety Data Sheets</li><li>Shower &amp; Eyewash Stations</li><li>Safety Glasses</li></ul>	<b>Guidance/Policy</b> <ul style="list-style-type: none"><li>Animal Contact</li><li>Bloodborne Pathogens</li><li>Chemical Hygiene Plan</li><li>Combustible Storage</li><li>DEA Controlled Substances</li><li>Facility Exit &amp; Evacuation</li><li>Hazard Communication</li><li>Hazmat Shipping</li><li>Lab Safety Guide</li><li>Pesticides</li><li>Respiratory Protection</li><li>Sharps Policy</li><li>Spill Information</li></ul>	<b>External Links</b> <ul style="list-style-type: none"><li>Animal Risk Questionnaire</li><li>Biosafety Cabinet Certification</li><li>HP Assist Login</li><li>IBC Internal Login</li><li>Pathogen Safety Data Sheets</li><li>Select Agent Login</li><li>SWAP Materials Collection</li><li>UWell</li></ul>
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**QUICK LINKS**

- Emergencies**  
Protocol & contact info for emergency situations
- Training**  
Descriptions & schedules for our training courses
- Disposal Services**  
Disposal of chemicals, animal tissue & sharps
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# PUBLIC ACCESS AUTOMATED EXTERNAL DEFIBRILLATORS (AEDs)

- ✗ Computerized device used during sudden cardiac arrest
- ✗ New designs enable Lay people to use even with no medical training
- ✗ However, AEDs should be used by people trained in their operation
- ✗ IF you are an FPM Employee take FPM's first aid, CPR, AED training class
  - + You must register for the class
  - + Contact **Shoko Miyagi** (608-262-8419 or [smiyagi@fpm.wisc.edu](mailto:smiyagi@fpm.wisc.edu)) or go to <http://www.training.fpm.wisc.edu/>
- ✗ For all other staff, look for training through the American Heart Association. Training includes a two-year certification



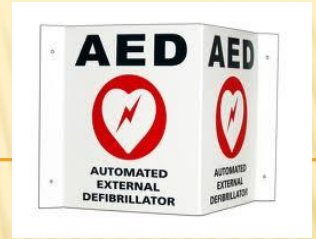
# AED PROGRAM RESPONSIBILITIES

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- ✖ Administrative Unit or Department
  - + Pays for the purchase of AED unit
  - + Identify coordinator(s) for AED plan oversight
- ✖ EH&S
  - + Assist with AED plan implementation
  - + Maintain records of periodic testing as part of annual fire extinguisher inspection program
  - + Provide guidance on the selection, purchase and installation of AED units to ensure they meet ADA requirements
- ✖ Coordinator(s)
  - + Maintain records of AED units
  - + Conduct annual inspections of AED units
  - + Work with EH&S for maintenance, service, records of contact information, and location(s) of AED units
  - + Ensure First Responder's CPR/AED certifications are current



# UW-MADISON CAMPUS AEDs



- ✘ Several UW-Madison campus buildings have AEDs
- ✘ The Building Evacuation Route sign has notation on the sign that indicates the location of the AED (red heart symbol with the AED letters)
- ✘ If AED is not located on floor, there will be notation in the signage that indicates the room where an AED is located
- ✘ NOTE: Not all buildings have AEDs. If no AED is noted on the Building Evacuation Route sign, then an AED is not available in the building
- ✘ Immediately call 911 (UWPD) to obtain emergency assistance

**QUESTIONS?**

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# REORGANIZATION OF KEY FUNCTIONS WITHIN UHS AND EH&S

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- ✖ Administrative Process Redesign (APR) review started two years ago
- ✖ Objective
  - + Reduce confusion among campus customers regarding occupational health concerns and safety functions
  - + Organizationally tie biological safety cabinet program with EH&S biosafety and engineering functions
  - + Eliminate overlapping functions between UHS and EH&S
  - + Maintain regulatory programs for licensure, inspections and enforcement of federal and state administrative codes
- ✖ Take effect January 1, 2014

# EH&S OCCUPATIONAL HEALTH FUNCTIONS MOVING TO UHS

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- ✖ Ergonomics (& chair showroom)
- ✖ Industrial hygiene activities (e.g., noise & hearing conservation program)
- ✖ Job hazard assessments
- ✖ Medical response plans
- ✖ Prescription Safety Eyewear office
- ✖ Respiratory protection program



# UHS FUNCTIONS MOVING TO EH&S

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- ✖ Animal and waste transfer stations
- ✖ Autoclaves
- ✖ Biohazard containment systems
- ✖ Biosafety cabinet re-certifications
- ✖ Clean benches
- ✖ Gas decontamination
- ✖ HEPA Vacuum and filtration systems

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STAY TUNED FOR FUTURE  
COMMUNICATIONS ABOUT THE  
RE-ORGANIZATION