Global Harmonization Training

Right to Understand
Training Module

• Please read the following slides and watch the video’s listed as you go through the training.
• At the end of the training there will be a short quiz which includes material from the slides and the videos.
• Make a copy of the quiz after you complete it and send to the Health and Fire Safety office at 178 East 11th Street so that you may receive credit for this training.
• Thank you!
Click on the web address and watch these two videos. If clicking the link does not work, copy the link into your browser.

GHS Labels

- [http://www.youtube.com/watch?v=RvQNF1Y7E84](http://www.youtube.com/watch?v=RvQNF1Y7E84)

GHS Safety Data Sheets

- [http://www.youtube.com/watch?v=vCI7XXExs7s](http://www.youtube.com/watch?v=vCI7XXExs7s)

    Note: Start this video at time 2:03 and watch through 17:01
Hope College has purchased a program from MSDSonline which can be accessed on any computer on which the link (seen on the next slide) is copied onto the desktop of a computer. This will be your access for viewing Safety Data Sheets (SDS) for your department on campus.

SDS’s will be installed and maintained on this system by Health and Fire Safety (H&FS) Office.

New SDS’s for products being used in your department should be sent to the H&FS office so that they can be put in your departmental e-binder.
Benefits of MSDSonline System

• Millions of MSDSs at Your Fingertips — 24/7 access to the industry’s leading database of safety data sheets ensures your company’s MSDS library is complete, up-to-date and in compliance.

• Simplify Compliance — Easy-to-use tools help you meet key requirements of hazard communication (OSHA / WHMIS / GHS) including, hazard determination, Right-to-Know access, labeling, safe chemical handling, PPE and more.

• Improve Chemical Management — Robust chemical management tools give you greater container-level control over the location, status and risks associated with the chemical products your company uses. Our free Chemical Inventory Scanner application, enables you to scan barcode/QR Code labels for in-the-field chemical container management.

• Regulatory Compliant — Multiple back-up options means your system meets OSHA, WHMIS and other regulatory requirements for electronic MSDS / chemical management.

• Quick ROI & Low Cost of Ownership — All of our MSDS / Chemical Management Accounts pay for themselves by eliminating time-consuming, manual administrative tasks; plus, there’s no software to install or maintain and you get immediate access to new features and enhancements.
To Access MSDS-online you will need to click the Icon on your Desktop
Once you have opened up the MSDSonline website you can click on locations and find your respective department SDS’s.
GHS Locations

Find your Department or area
GHS SDS’s

Click on the PDF of your SDS to open it and read the contents. Printed copies can also be made.
New SDS Sheets

If you have a new product that requires an SDS sheet or need an SDS sheet that cannot be found on the MSDSonline system:

• Bring the following to the Health and Fire Safety Office.
  
  ✓ name of the product
  ✓ Manufacturer’s name
  ✓ address of Manufacturer

• H&FS will find a SDS on the product for you.
• H&FS will put the new information into the MSDSonline program so you can access it through your computer.
Each area should have a chemical inventory sheet. This is a sheet which lists all of the chemicals in that area. This sheet must be updated anytime a product is no longer used/available/present or is a new product that has been brought into the area.

Inventory Sheets should include the following:
• Name of the product
• Manufacturer’s name and address
• Distributer’s name and address if possible.
• Area that the chemical is located in.
### Sample Chemical Inventory Sheet

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Distributor</th>
<th>Manufacturer</th>
<th>Date of SDS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bea-Glo</td>
<td>Beaver Research Co. 3700 E. Kilgore Rd, Portage, MI 49002</td>
<td></td>
<td>7/26/2012</td>
</tr>
</tbody>
</table>

Inventory sheets can be matched up with the SDS’s that are on MSDSonline to make sure that all of the products you have in your area have the proper SDS sheet available.
Quiz

T or F  The Right to Know Standard under the GHS has changed to the Right to Understand Standard?

T or F  Because the Hazard Communication Standard was a performance based standard it allowed manufacturers to develop their own material safety data sheet (MSDS) formats which resulted in multiple warning and hazard ratings systems. Because of this reading MSDS’s by the end user became confusing and jeopardized the safety of employees.

The Occupational Safety and Health Administration (OSHA) published it’s revised Hazard Communication Standard to include a specific format and system classification on labels and Safety Data Sheets (SDS) in:

a) 2011
b) 2012
c) 2013

The acronym GHS stands for:

a) Globally harmonized System
b) Globally harmonized Standard
b) Globally harmonized Structure
Quiz Continued

T or F  Labels on all products will have to follow the GHS format by June 1, 2015.

T or F  Labels will have to include a product identifier, a signal word, hazard statement, and precautionary statement as part of the GHS format.

A signal word may only be one of two words. The words are:
   a)  Danger – Caution
   b)  Danger – Warning
   c)  Danger – Notice

T or F  Hazard Statements include quick warning statements of the hazards associated with the product.

A Precautionary Statement may include which one of the following:
   a)  How to prevent over exposure
   b)  How to store a product
   c)  First Aid information
   d)  All of the above.
Pictograms are standardized icons depicting health and safety hazards. How many pictograms are enforced under OSHA?

a) 7  
b) 8  
c) 9  

A flame over circle shows the product to be an oxidizer. A gas cylinder shows the product is a gas under pressure. What does a tree and fish pictogram show?

a) Health Hazard  
b) Environmental Hazard  
c) Toxicity Hazard  

T or F Material Safety Data Sheets are now called Safety Data Sheets under GHS

Information on the SDS will be similar to the old MSDS but will now have to follow a specific format and standardized health classification system. How many sections are there to the new SDS?

a) 12  
b) 16  
c) 17
Quiz Continued

T or F MSDSonline is a web based program which helps Hope College manage its SDS’s and chemical inventory by eliminating the need for hard copy SDS’s and filing in three ring binders.

MSDSonline can be accessed by any computer that has:
a) MSDSonline software on it.
b) Has the MSDSonline icon placed on the desktop page of the computer
c) By going to the MSDSonline website.

Name (Please Print)________________________________________________________

Date: __________________________

Department______________________________________________________________

Please copy and send the completed pages 13 – 16 to the Occupational Health and Fire Safety Office at 178 East 11th Street or by PDF to gunnink@hope.edu. so you can receive credit for completing this training. If you have any questions regarding this training please contact me with your question. Thank You!