

THE HAZARD COMMUNICATION STANDARD

University of Idaho employees are covered under the worker protection requirements of the Idaho Division of Building Safety (DBS) Hazard Communication Program. This standard requires that employers provide their employees with information on the hazards of the chemicals used in their work area. Supervisors are responsible for ensuring that the requirements outlined in this brochure are met in the areas where their employees work.

BASIC REQUIREMENTS

- **Training** is required for new employees and for all employees when new hazards are introduced.
- **Written Program**
- **Labels**, required for all containers, must give the appropriate product identifier (such as the chemical name), manufacturer name, address and telephone number, signal word (“DANGER” or “WARNING”), hazard statement(s), precautionary statement(s), and pictogram(s).
- **Safety Data Sheets (SDSs)** for all hazardous chemicals used in the work area must be accessible to employees.
- **A Chemical Inventory** must be maintained, and must list all hazardous chemicals in the area.

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Idaho

Environmental
Health and Safety

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HAZARD COMMUNICATION

*a guide for supervisors and
employees*

Health Hazard  <ul style="list-style-type: none"> • Carcinogen • Mutagenicity • Reproductive Toxicity • Respiratory Sensitizer • Target Organ Toxicity • Aspiration Toxicity 	Flame  <ul style="list-style-type: none"> • Flammables • Pyrophorics • Self-Heating • Emits Flammable Gas • Self-Reactives • Organic Peroxides 	Exclamation Mark  <ul style="list-style-type: none"> • Irritant (skin and eye) • Skin Sensitizer • Acute Toxicity (harmful) • Narcotic Effects • Respiratory Tract Irritant • Hazardous to Ozone Layer (Non-Mandatory)
Gas Cylinder  <ul style="list-style-type: none"> • Gases Under Pressure 	Corrosion  <ul style="list-style-type: none"> • Skin Corrosion/ Burns • Eye Damage • Corrosive to Metals 	Exploding Bomb  <ul style="list-style-type: none"> • Explosives • Self-Reactives • Organic Peroxides
Flame Over Circle  <ul style="list-style-type: none"> • Oxidizers 	Environment (Non-Mandatory)  <ul style="list-style-type: none"> • Aquatic Toxicity 	Skull and Crossbones  <ul style="list-style-type: none"> • Acute Toxicity (fatal or toxic)

Hazard Communication Pictograms

SAFETY DATA SHEETS (SDSS)...

give you the hazard information you need to work safely with chemicals.

The “key” to Hazard Communication...

The SDS is now standardized with the following sixteen sections:

1. Chemical name and synonyms, and the name, address, and contact information for the manufacturer
2. Hazard(s) identification
3. Composition/Information on ingredients
4. First aid measures
5. Fire-fighting measures
6. Additional release measures
7. Handling and storage
8. Exposure controls/Personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information
13. Disposal considerations
14. Transport (shipping) information
15. Regulatory information
16. Other information

Always read the SDS before starting to work with an unfamiliar chemical!

TRAINING REQUIREMENTS

All new employees complete a general session on Hazard Communication as part of their orientation.

The department must provide unit-specific Hazard Communication training. This must include:

- ❑ Location of the University’s Hazard Communication written program.
- ❑ Location of the department’s chemical inventory and SDSs.
- ❑ Information about operations involving hazardous chemicals.
- ❑ Methods used to detect the presence of hazardous chemicals in the workplace.
- ❑ Physical and health hazards of chemicals used in the area.
- ❑ Appropriate work practices.
- ❑ Personal Protective Equipment (PPE) to be used with each hazardous chemical or operation.
- ❑ Emergency Procedures.
- ❑ Information regarding chemical hazards, including how to interpret SDSs and labels.

LABELS...

must include the appropriate product identifier (such as the chemical name), manufacturer name, address and

telephone number, signal word (“DANGER” or “WARNING”), hazard statement(s), precautionary statement(s), and pictogram(s). The product identifier must match the name given on Section 1 of the SDS.



CHEMICAL INVENTORIES...

must list all the hazardous chemicals in the department or work area. The inventory must be kept up-to-date and include

- the name as it appears on the SDS,
- the product number,
- the name and address of the manufacturer,
- the location of each chemical, and the quantity on hand in each location where it is stored or used.

For more information...

about hazardous chemicals, contact your supervisor or call Environmental Health & Safety at 208-885-6524.