

The Facts: Hazard Communication



OCCUPATIONAL AND ENVIRONMENTAL SAFETY

OSHA's Hazard Communication Standard ([29 CFR 1910.1200](#)) requires employers to provide information and training to employees regarding hazardous chemicals in the workplace and the properties of these chemicals.

This program provides information so that a worker understands how to properly handle, store, and protect themselves during normal use or upon accidental release. Hazard Communication applies to all workers. For More information about Clemson's Hazard Communication Plan visit [OES – HazCom](#).



Globally Harmonized System (GHS)

The Globally Harmonized System (GHS) of Classification is an internationally agreed upon standard managed by the United Nations. It includes criteria for the classification of health, physical, and environmental hazards. OSHA will issue revisions as necessary, to remain in compliance with the GHS.

- Under GHS there are 9 pictograms. They convey specific information and are necessary to indicate the hazard of the chemical.



Safety Data Sheets (SDSs)

Safety Data Sheets offer detailed information on materials being used or stored in the work area. The SDS provides information on potential hazards, proper Personal Protective Equipment required when handling certain chemicals, first-aid, advice on how to handle and properly store hazardous chemicals, and much more throughout the SDS formatted 16 sections.

Electronic SDS documents are acceptable *if* all documents are available with consistent internet connectivity and are also readily available via ChemTracker in SciShield or a web browser search. Hard copies are required until the conversion to the electronic form is completed. Contact OES that the electronic conversion is complete before archiving the printed copies. Some departments will need to maintain hard copy binders if electronic access is not available in the field for the workers in the various workspaces.

Proper Labeling

Chemicals, including commercial products, must be properly labeled. Per GHS requirements, labels must include the following:

- Product Identifier
- Pictograms
- Signal Word (DANGER or WARNING)
- Hazard Statements
- Precautionary Statements
- Supplier Information

NEVER use or reuse any food or beverage containers for chemical storage.
NEVER have an unlabeled container in your workplace.

2

1 Sulfuric Acid

3 Danger! May be harmful if swallowed. Causes severe skin burns and eye damage. Fatal if inhaled. Harmful to aquatic life.

4

Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wear respiratory protection.

5 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

In case of fire Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

See Material Safety Data Sheet for further details regarding safe use of this product.

6 Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA Telephone : +18003255832

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|---------------------------------|-----------------------------------|
| 1 Product Identifier | 4 Hazard Statements |
| 2 Pictograms | 5 Precautionary Statements |
| 3 Signal word, "Danger!" | 6 Supplier Information |

