

The United Nations' **Globally Harmonized System** has brought a uniform look to labels and warnings for chemicals and materials. Students who will be researching and learning in the Department of Chemistry & Biochemistry should be sure they know and understand these important communications. There are 6 important elements to the new GHS labels.

**1. Product Name or Identifier:**

**2. Signal Word:**

Indicates relative level or hazard.  
 "Danger" is most severe.  
 "Warning" is less severe.

**3. Hazard Statements:**

Describe the nature of the product and the degree of hazard.

**4. Precautionary Statements:**

Describe general preventative, response, storage or disposal precautions.

**5. Manufacturer Information:**

**6. Hazard Pictograms:**

Health, physical and environmental hazard.

Sample Label



All Hazard Pictograms

	Explosives, Self-reactives, Organic peroxides		Flammables, Self-reactives, Pyrophorics, Self-heating		Oxidizers
	Gas under pressure		Carcinogen, Reproductive/Target organ toxicity, Mutagenicity		Acute toxicity (severe)
	Environmental Toxicity		Irritant, Sensitizer, Acute toxicity, Respiratory tract irritation		Corrosives

Sample label courtesy of Weber Packaging Solutions.

[www.weberpackaging.com](http://www.weberpackaging.com)

Hazard pictograms from Stanford Environmental Health & Safety.

[www.ehs.stanford.edu](http://www.ehs.stanford.edu)

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