











Hazard Warning Labels




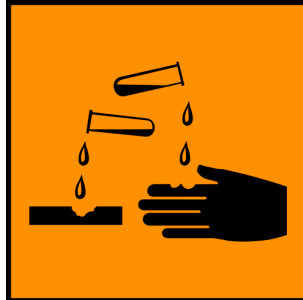



Shown below is a selection of the most commonly used **GHS** (*Globally Harmonized System of Classification and Labelling of Chemicals*) Hazard Labels used in the BIOLABs to denote potential health, physical and environmental hazards associated with certain materials and equipment and draw attention to the need to take precautions with their use. **GHS** is an internationally agreed upon system, created by the United Nations in 2000, and designed to replace the various classification and labelling standards used in different countries.

Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Health Hazards			
Acute Toxicity 	Harmful/Irritant 	Corrosive 	Respiratory Hazard 
Physical Hazards			
Explosive 	Flammable 	Oxidising 	Corrosive 
Environmental Hazards			
Compressed Gas 	Hazardous to the Aquatic Environment 		







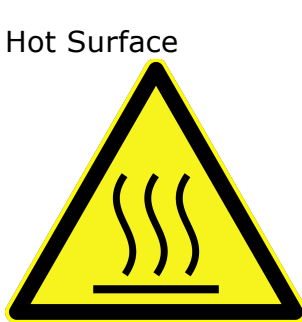
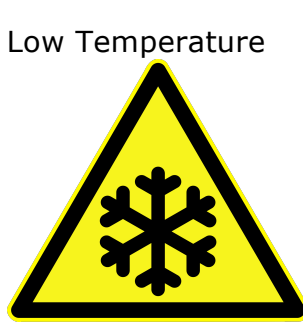
Within the EU (including Ireland), the Classification and Labelling of Chemicals Regulation, which came into force in December 2010, implemented the use of GHS in place of the **EHS** (*European Hazard Symbols for Chemicals*) labels. The older, orange **EHS** labels (*see below*) may still be found on some materials, but these are being phased out at present.

European Hazard Symbols for Chemicals (pre 2011)

Explosive (E) 	Flammable (F) 	Oxidising (O) 	Corrosive (C) 
Toxic (T/T+) 	Harmful (Xn/Xi) 	Dangerous for the Environment (N) 	

Students should be familiar with these Hazard Symbols, as well as the internationally used, yellow and black General Safety/Hazard Warning Signs (below).

General Safety/Hazard Warning Signs (DIN 4844-1 / ISO 3864)

Danger Electricity 	Radiation 	Biohazard 	Hazardous/Toxic 
Laser Beam Hazard 	Non-ionizing Radiation 	Hot Surface 	Low Temperature 
Caution/Alert 