










LABELING SECONDARY CONTAINERS

Lab Safety Evaluation requirement: Secondary containers, other than ones for immediate use, are labeled with the identity of their contents and the hazards associated with their contents.

Informational: The Hazard Communication Standard and NFPA 45 require that labels for secondary containers must contain two key pieces of information: the identity of the hazardous chemical(s) in the container (e.g., chemical name as it appears on Safety Data Sheet) and the hazards present (see pictograms below). No abbreviations or chemical formulas unless listed on a posted cross reference sheet (see example below). Micro vials and other small containers of similar contents that are compatible that will not support a conventional label can be identified with a numbering system and stored in a properly labeled collection vessel. Maintain a master log of the numbered containers within the laboratory.

Pictograms must be used on containers even when utilizing the cross reference sheet.

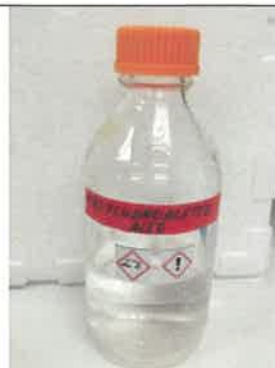
GHS - Hazard Pictograms and Related Hazard Classes		
		
Expanding Bomb • Explosives • Self-reactives • Organic Peroxides	Corrosion • Skin corrosion/burns • Eye damage • Corrosive to metals	Flame Over Circle • Oxidizing gases • Oxidizing liquids • Oxidizing solids
		
Gas Cylinder • Gases under pressure	Environment • Aquatic toxicity	Skull & Crossbones • Acute toxicity (fatal or toxic)
		
Exclamation Mark • Irritant (eye & skin) • Skin sensitizer • Acute toxicity • Narcotic effects • Respiratory tract irritant • Hazardous to ozone layer (non-mandatory)	Health Hazard • Carcinogen • Mutagenicity • Reproductive toxicity • Respiratory sensitizer • Target organ toxicity • Aspiration toxicity	Flame • Flammables • Pyrophorics • Self-heating • Emits flammable gas • Self-reactives • Organic peroxides



Containers marked with green dots are non-hazardous.



NOT ACCEPTABLE



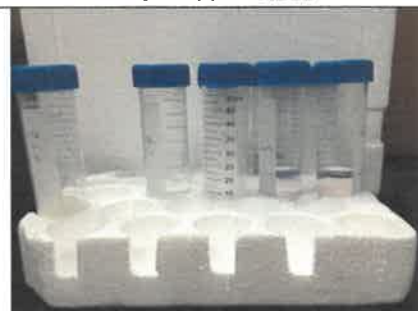
ACCEPTABLE



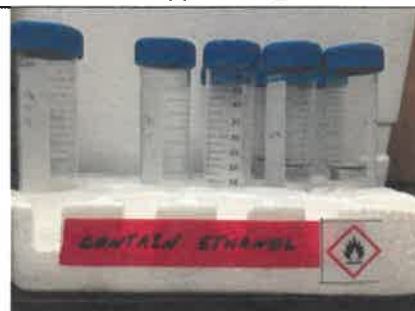
NOT ACCEPTABLE



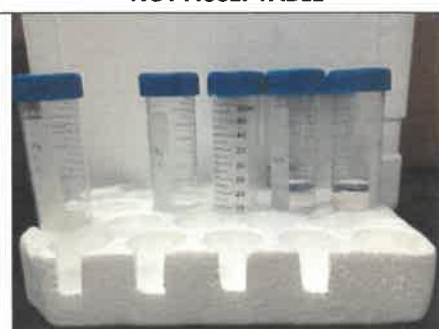
ACCEPTABLE



NOT ACCEPTABLE



ACCEPTABLE
















NOT ACCEPTABLE



ACCEPTABLE for NON-HAZARDOUS MATERIALS

Example of cross reference sheet

Abbreviation	Full Name	Hazard	Hazard
EtBr	Ethidium Bromide	Genotoxic	
IPA	Isopropyl Alcohol	Flammable, Irritant	
EtOH	Ethanol	Flammable, Irritant	
MeOH	Methanol	Flammable, Toxic	
THF	Tetrahydrofuran	Flammable, Suspected Carcinogen	
KOH	Potassium Hydroxide	Corrosive	
HNO3	Nitric Acid	Oxidizer, Corrosive	
HCl	Hydrochloric Acid	Corrosive, Irritant	
DTT	Dithiothreitol	Irritant	
NaCl	Sodium Chloride	NON-HAZARDOUS	
dNTP	Deoxynucleotide	NON-HAZARDOUS	
TRIS	Tris(hydroxymethyl)-aminomethane	NON-HAZARDOUS	
D5W	Dextrose 5% water	NON-HAZARDOUS	

For more information and pictogram labels please contact EH&S at ehsafety@uta.edu or 817-272-2185.