Safe Decanting of Liquid Nitrogen Toolbox

Overview

This is a short course which gives participants the opportunity to further their learning by practising to safely decant liquid nitrogen in a practical environment.

Aim

Liquid nitrogen is an inert, odourless, colourless, extremely cold liquid and gas under pressure and if not used carefully can cause frostbite, damage to the eye, torn flesh or asphyxiation when spilled in an enclosed area. It is therefore important that everyone who handles and stores liquid nitrogen in dewars and flasks is fully aware of the hazards associated with decanting and transferring the substance.

Scope

This course covers the following areas:

- Pipework identification and safe operation of vessels
- Risk assessments
- Personal Protective Equipment (PPE)
- Safe procedures for filling and use of liquid nitrogen in open dewars and flasks
- Demonstration of practical decanting of liquid nitrogen
- Safe use of liquid nitrogen in dewars and flasks

Information

In order to attend this practical workshop, you must have successfully completed the e-learning course Using Liquid Nitrogen Safely Within Universities.

Participants who wish to undertake a decant fill into the working flask must bring and wear the appropriate PPE clothing – this includes eye protection, safety shoes/boots and protective gloves.

For

All staff and postgraduate students who either use or supervise others who work with liquid nitrogen.

How to book

To book a place please go to the Single Training Booking System.

If you require group training for a number of people in your department please fill in the Special Request Form and email it to safetytraining@ucl.ac.uk

Course duration

Half Day course – 2 hours

Cost

Free to UCL staff and UCL Postgraduate students.
A ‘no show’ fee of £50 will be charged to your department if you fail to attend when booked on the course event.

Further Information

Contact Safety Services on 020 3108 8592 or UCL ext. 58592
Email: safetytraining@ucl.ac.uk