

Using Liquid Nitrogen Safely within Universities

This e-learning workshop is for staff and students who use liquid nitrogen and associated equipment in a university, college or school environment. The training contains information on:

- Properties of liquid nitrogen
- Treatment of cold burns
- Essential personal protective equipment
- Expansion rate of liquid to gas
- The hazards of asphyxia
- Hazards posed by pressure
- How to calculate oxygen depletion
- Cryogenic vessel design and operation
- Safe storage of cryogenic vessels
- Safe handling of cryogenic vessels
- Safe decanting of liquid nitrogen



At the end of this online training workshop learners will be able to:

- Appreciate the properties of cryogenic liquids
- Describe how humans react in oxygen deficient situations
- Recognise the potential hazards posed by an uncontrolled release of pressure
- Identify different types of personal protective equipment and the need to comply with work procedures
- Distinguish the difference and similarities between pressure vessels and dewars
- Describe how a pressurised cryogenic vessel operates
- Identify key safety procedures when decanting liquid nitrogen
- Appreciate the consequences of using incorrect procedures and faulty equipment
- Recognise the dangers of transporting cryogenic vessels in lifts
- Adopt correct storage and manual handling practices

The fee for this workshop is £27.25 + vat per learner, including online certification and comprehensive, readily accessible support documentation.

This training workshop is only available to learners within universities, colleges and schools. To purchase it please contact us either by e-mail at admin@gassafetytraining.com or by phone during UK office hours on + 44 (0) 1270 758890.

