

Using Liquid Nitrogen Safely within Universities, Colleges & High Schools

This online 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
- 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
- Recognize 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 pressurized cryogenic vessel operates
- Identify key safety procedures when decanting liquid nitrogen
- Appreciate the consequences of using incorrect procedures and faulty equipment
- Recognize the hazards of transporting cryogenic vessels in elevators
- Adopt correct storage and manual handling practices

The fee for this workshop is US\$45.00 per learner including online certification and comprehensive, readily accessible support documentation.

This training workshop is only available to learners within universities, colleges and high schools. To purchase it please contact us by e-mail at admin@gassafetytraining.com.

