

# Liquid Nitrogen Refill & Transportation

## Quick Guide - Transport and filling operations

- ✓ Containers must meet the requirements of *AS 1894* when handling small volumes of  $\text{LN}_2$
- ✓ **Use of Personal Protective Equipment (PPE) must prevent  $\text{LN}_2$  from touching the skin and eyes.**
- ✓ Thermo-insulated gloves.
- ✓ Safety glasses or full face shield.
- ✓ Long sleeves.
- ✓ Long pants.
- ✓ Fully enclosed footwear.

# Continued.....

- ❑ Domestic thermos flasks are not appropriate for this purpose, as they are not designed to be free-venting and can result in pressure build-up and a subsequent explosion.
- ❑ Only appropriately trained personnel should perform LN<sub>2</sub> filling and transferring tasks.
- ❑ Appropriate trolleys must be used for transporting Dewar's between buildings to ensure that the Dewar is secure at all times.
- ❑ **Dewar's must never be accompanied in lifts** due to the risk of asphyxiation.
- ❑ Goods lift must always be used in hazardous mode. Obtain the hazardous good key from your local support staff. The lift access to intervening floors should be locked out or the lift must be clearly sign-posted whilst LN<sub>2</sub> Dewar in transit with a trained member of staff receiving the Dewar at the final destination.