



## Risk Element

- Falling through roof space insulations / over pipework / ladders;
- Refrigerant Leakage;
- Explosion;
- Fire;
- Slips and Trips;
- Limited Access/Egress;
- Poor lighting/ventilation.

## Precautions to Eliminate / Reduce Risk

- A 'third person' to be aware of workers location;
- When necessary, check for Ammonia leakage prior to entering roof space and ensure NH<sup>3</sup> mask is carried;
- Ascertain escape routes;
- Ensure adequate normal and emergency lighting is available and working;
- Access and egress points are clearly signed and illuminated;
- Contractors to have an induction to the work area;
- Check working loads of roof space insulation if access is required for standing via the client. Ask for their Risk Assessment;
- Use of spreader boards if identified on the risk assessment;
- High focus on housekeeping to reduce dropped objects, fire, slips, trips and falls;
- Use of fire watch with correct extinguisher type during hot work. Area above below behind and inside to be checked clear of flammable materials.

## Action in an Emergency

- Third person to alert other members of staff prior to investigating situation;
- Rescue plan to be in place;
- Remove personnel from danger area;
- Ammonia leak-evacuate area immediately;
- In case of fire, raise alarm immediately;
- Follow instructions in case of fire to evacuate and assemble.

## Safe Working Method

- It is important when working alone in a roof space that a third person is aware of your locations. Sign in and out of the workplace;
- Use a safe system of work, this normally is a 'Permit to Work';
- Safe system to include use of two way communication devices (radios) contact period with third person to be specified and recorded on 'Permit to Work, prior to works commencing;
- Make sure you and third party are familiar with all locations and emergency exits.

## Minimum P.P.E. Requirements

- Safety Boots;
- Hard Hat;
- Torch;
- Ammonia Mask (where applicable).