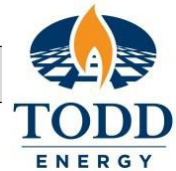


# PTW Safety Checklist No. 49



## WORKING WITH NITROGEN (N2)

Other Checklists that may be relevant:		<a href="#">58</a>
Permit Number:		Date:
Rev 2.1	Issue Date: 25/10/2022	Authorised By: PSM

### CAUTION:

- 1 Nitrogen (N2) is a colourless and odourless gas. Although being an inert gas, Nitrogen readily displaces air in the environment. This is lethal and can kill a person quickly by deprivation of oxygen.
  
- 2 When Nitrogen is vapourised, it produces very cold temperatures that can easily burn exposed skin and crack metal components.

### PROIR TO PERMIT ISSUE:

		Y	N	N/A
3	Are all involved personnel aware of the hazards associated with Nitrogen and appropriate controls as per the SDS.	<input type="checkbox"/>		
4	Barriers / signage are placed to warn of hazard and prevent unintentional entry to the work area. Attached link to <a href="#">Temporary Barriers and Barricades Standard Operating Procedure.pdf</a>	<input type="checkbox"/>		
5	When using liquid Nitrogen (N2), ensure a check has been made to ascertain that the receiving pipework / equipment is suitable for the expected very cold temperatures.	<input type="checkbox"/>		<input type="checkbox"/>
6	When a gas test for hydrocarbon is required, ensure a suitable gas detector is selected that can detect hydrocarbons in an inert atmosphere.  A suitable gas detector fitted with an Infrared (IR) LEL sensor is required to accurately measure Hydrocarbon levels in an oxygen depleted atmosphere.	<input type="checkbox"/>		<input type="checkbox"/>