

# Risk Assessment – Gas Suppression Systems

**Notes:**

1. The people that might be harmed: Studioworks employees, contractors, public, artists .
2. Gas suppression systems installed within LG88 & LG200, each with their own independent system.
3. Novec 1230 is a non-volatile chemical, deployed as a gas, to extinguish fires. Whilst there are no hazards to persons present from gas activation, there are hazards that need to be taken into account.

HAZARD	CONTROL
<p><b>Failure to maintain / manage system on a day-to-day basis; resulting in system failure and / or defect.</b></p>	<ul style="list-style-type: none"> <li>• This risk assessment should be read in conjunction with the following BBC Studioworks documents:</li> <li>• <b>Gas Suppression System - Overview v1.1</b></li> <li>• <b>Gas Suppression Systems - Occupant’s Guide v1.1</b></li> <li>• <b>Gas Suppression Systems – Security Guide v1.1</b></li> <li>• All personnel responsible for the day-to-day management of the gas suppression system to receive instruction and training on the system, with reference to the above documents.</li> </ul>
<p><b>Occupants of the areas where a gas suppression system is installed not aware of the system operational requirements; resulting in possible delay in activation when a fire occurs and / or false activation of the system</b></p>	<ul style="list-style-type: none"> <li>• All occupants of an area where a gas suppression system is installed to be briefed on the system, the automatic operational parameters of the system and the manual activation procedure.</li> <li>• Suitable signage in place at all entrances/exits from the areas with gas suppression installed notifying persons of the presence of the system and where to seek further advice, if they have not already received a briefing.</li> <li>• Follow <b>‘Working in a Gas Suppression Protected Room’</b> guidelines given in; <b>Gas Suppression Systems - Occupant’s Guide v1.1</b></li> </ul>

HAZARD	CONTROL
<b>Accidental exposure of any persons to the Novec 1230 chemical</b>	<ul style="list-style-type: none"> <li>MSDS (Material Safety Data Sheet) for Novec 1230 to be made available to visiting organisations (i.e. Emergency Services) who may have reason to enter an area soon after gas suppression system activation when the gas has not had time to sufficiently disperse.</li> <li>System to only be serviced / re-charged by qualified / authorised personnel.</li> </ul>
<b>Forced Ventilation systems (i.e. air conditioning) in areas with gas suppression system can restrict gas extinguishing properties; resulting in lack of fire extinguishing.</b>	<ul style="list-style-type: none"> <li>Regular inspection and maintenance of forced ventilation systems shut-off undertaken, to ensure that ventilation systems shut-off upon gas suppression system activation.</li> </ul>