



INFO. SHEET: LS7 – SAFE HANDLING AND USE OF COMPRESSED GAS CYLINDERS (excludes liquefied gases and gases used solely for diving)

Before Handling and Using Gas Cylinders

You must have received the following training before handling / using cylinders as detailed:

Local Training by a Competent Person eg Technician	Recognised External Training Scheme or Similar
Move cylinders around the workplace <u>EXCEPT</u> acetylene Changing the regulator from an empty gas cylinder to a full cylinder of the same gas type	Moving acetylene cylinders Selection of suitable regulators Connecting pipework or equipment to gas cylinders / regulators <i>NOTE:</i> Contact HSS or your College Head

EMERGENCY PROCEDURES (excludes acetylene)

Take the following action if a cylinder is dropped:

IF YOU CAN HEAR GAS ESCAPING		
CYLINDER TYPE	INDOORS	OUTDOORS
Nitrogen Carbon Dioxide Air Helium Argon Other inert gases	Evacuate the area Ventilate if possible Never put yourself at risk Call Security on 333 / 01248 38 2795 - request Fire Service	Keep people clear Call Security on 333 / 01248 38 2795 - request Fire Service
Oxygen Hydrogen Other flammable gases <u>EXCLUDING</u> acetylene	Extinguish ignition sources Evacuate the area Ventilate if possible Never put yourself at risk Sound the fire alarm if the gas ignites Call Security on 333 / 01248 38 2795 - request Fire Service	Keep people clear Ensure no smoking or use of naked flames Call Security on 333 / 01248 38 2795 - request Fire Service

IF YOU CANNOT HEAR GAS ESCAPING		
CYLINDER TYPE	INDOORS	

EMERGENCY PROCEDURES - ACETYLENE

Take the following action if an acetylene cylinder is dropped:

IF YOU CAN HEAR GAS ESCAPING	
INDOORS	OUTDOORS
<p>Extinguish all sources of ignition</p> <p>Ventilate area. DO NOT put yourself at risk</p> <p>Evacuate all buildings within 150m of the gas escape</p> <p>Sound the fire alarm</p> <p>Call Security (away from the leak) on 333 / 01248 38 2795 - request Fire Service</p>	<p>Keep people clear – at least 150m</p> <p>Evacuate all buildings within 150m of the gas escape</p> <p>Sound the fire alarm</p> <p>Call Security (away from the leak) on 333 / 01248 38 2795 - request Fire Service</p>

IF YOU CANNOT HEAR GAS ESCAPING	
INDOORS	OUTDOORS
<p>Carefully examine the cylinder</p> <p>Use the back of your hand to check for signs of heating</p> <p>If the cylinder shows signs of heating evacuate immediately</p> <p>Sound the fire alarm</p> <p>Call Security on 333 / 01248 38 2795 - request Fire Service</p> <p>If the cylinder shows no signs of heating. Check cylinder and valves for damage</p> <p>If damaged contact BOC for advice: 0800 111 333</p> <p>If there is no damage and enough space, upright the cylinder (minimum of 2 people)</p> <p>Do not use the cylinder, contact BOC on 0800 111 333 to arrange a replacement</p> <p>In interim monitor for signs of heating</p>	<p>Carefully examine the cylinder</p> <p>Use the back of your hand to check for signs of heating</p> <p>If the cylinder shows signs of heating clear the area immediately</p> <p>Ensure no one smokes in the area</p> <p>Call Security on 333 / 01248 38 2795 - request Fire Service</p>