

COSHH ASSESSMENT — LPG

Propane torches, space heaters and oxy-propane cutting sets

COSHH — SUBSTANCE ASSESSMENT

KD-COSHH-LP-013 Rev A0

COSHH 2002 reg 6: exposure is assessed BEFORE the work starts; reg 7: it is prevented, or adequately controlled, working down the hierarchy — eliminate, substitute, engineer, then RPE last. This assessment covers the substance family below; it is completed against the actual products (their safety data sheets alongside) and the actual task, and briefed to the people exposed. The current workplace exposure limit, where one applies, comes from EH40 and the SDS on the day — write it in below.

1 ASSESSMENT DETAILS

SITE / PROJECT

TASK ASSESSED

PRODUCTS IN USE (SDS TO HAND)

ASSESSED BY

DATE

2 THE SUBSTANCE — WHAT IT IS AND WHAT IT DOES

WHERE IT IS MET: Torch-on roofing, ground thaw and space heating, bitumen boilers and cutting sets. LPG is heavier than air: leaks pool in excavations, drains and basements and wait for ignition.

THE HARM: Fire and explosion — a leaking cylinder in an enclosed space is a bomb with a slow fuse. Burns from torches and heaters; cold burns from liquid contact; and in enclosed use it consumes oxygen and produces carbon monoxide.

3 EXPOSURE — ROUTES, PEOPLE, LIMIT

Inhalation — dust, fume, vapour or mist

Skin and eye contact

Ingestion — hand to mouth

Others affected — adjacent trades, occupiers, public

WHO IS EXPOSED, HOW LONG, HOW OFTEN

WEL / LIMIT (FROM EH40 AND THE SDS TODAY)

4 CONTROLS — IN THE REG 7 HIERARCHY, ALL IN PLACE BEFORE WORK STARTS

Cylinders upright, secured, valves accessible; hoses and regulators in date, checked for damage before each use; flashback arresters on cutting sets

Leak test with detection fluid after every connection — never with a flame

No cylinders in excavations, basements or unventilated enclosures; storage and overnight parking of cylinders outside, secured, signed

Heaters ventilated per the manufacturer — flueless heaters in tight enclosures build CO

Cylinder fires: do not fight a burning cylinder valve you cannot isolate — evacuate and call the fire service; the hot works permit applies to torch tasks

SITE-SPECIFIC CONTROLS FOR THIS TASK

RPE WORN (TYPE, AND FACE-FIT WHERE TIGHT-FITTING)

OTHER PPE FOR THIS SUBSTANCE

5 HEALTH SURVEILLANCE, HYGIENE AND FIRST AID

None; CO symptoms (headache, drowsiness) around heaters are treated as poisoning until proved otherwise.

6 STORAGE, SPILLAGE AND DISPOSAL

External, ventilated, secured cage away from buildings, boundaries, drains and oxidisers; full and empty segregated; quantities minimised.

WHERE IT IS STORED ON THIS SITE

SPILL RESPONSE AT THE WORK

7 SIGN-OFF AND BRIEFING

The assessment is complete when the people exposed have been briefed on it. Reassess when the product, task, quantity or location changes — not on an anniversary.

ASSESSOR — PRINTED NAME

SIGNATURE

DATE

WORKFORCE BRIEFED (DATE / RECORD REF)

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-08-31	first-issue	First issue.	— not yet approved —
D1	2026-08-31	material	Actions the internal H&S director review. Lead reframed under CLAW 2002 and ACOP L132 with the COSHH reg 5 disapplication stated and limits prompted from CLAW; the silica harm line corrected to the defensible after-asbestos formulation; titles shortened so the header band prints in full.	— not yet approved —
A0	2026-08-31	review	Approved for issue by the author. Content unchanged from the reviewed draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.