

COSHH ASSESSMENT — SEALANTS AND FOAMS

COSHH — SUBSTANCE ASSESSMENT

PU foams, MS and silicone sealants, grab and contact adhesives

KD-COSHH-SM-016 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: Gun-applied PU foams and sealants at frames and penetrations, silicone and MS polymer sealing, and solvent contact adhesives in flooring and finishes. Aerosol PU foam is the isocyanate one at small scale.

THE HARM: PU foams carry isocyanates — sensitisation risk concentrated in enclosed, repeated use; uncured foam bonds to skin. Solvent adhesives bring vapour and flammability into small rooms. Silicone and MS products are the mild end but still irritate eyes and skin.

3 EXPOSURE — ROUTES, PEOPLE, LIMIT

Inhalation — dust, fume, vapour or mist

Ingestion — hand to mouth

Skin and eye contact

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

Read the SDS per product — this family spans mild to sensitising and the tube looks the same

Gloves as standard; uncured PU foam does not wash off — prevention is the only control

Ventilate rooms for foam and solvent adhesive work; limit continuous gun-foam application in enclosed spaces

Ignition controlled for solvent adhesives — vapour pools at floor level exactly where flooring work happens

Cure before covering or occupying per the product data

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

Respiratory symptoms in regular foam users referred promptly — isocyanate sensitisation is career-ending.

6 STORAGE, SPILLAGE AND DISPOSAL

Aerosols away from heat and sun; solvent products in the flammable store; part-used PU cans depressurise and clog — do not puncture.

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.