

# COSHH ASSESSMENT — CLEANING CHEMICALS

Acids, alkalis, chlorine products and builders' clean chemicals

## COSHH — SUBSTANCE ASSESSMENT

KD-COSHH-CL-014 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: Brick acid (hydrochloric) on masonry, patio and concrete cleaners, alkaline degreasers, chlorine sanitisers in water hygiene work, and the sparkle-clean chemical set.

THE HARM: Corrosives burn skin and eyes on contact — brick acid splashes blind. Mixing is the hidden killer: chlorine products meeting acids release chlorine gas; ammonia meeting bleach releases chloramine. Fumes in enclosed rooms overwhelm quickly.

### 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

One product per task, per its SDS — NEVER mix products or decant into unmarked containers

Dilute by adding chemical to water, never water into acid; eye protection and gauntlets for every corrosive

Ventilate enclosed rooms; respiratory protection per the SDS for spray application of corrosives

Eye-wash immediately available at the point of use — seconds matter with a splash

Neutralise and rinse surfaces per the product instructions; acid washings kept out of drains and watercourses

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 routinely; any chemical eye injury gets irrigation continued en route to hospital.

### 6 STORAGE, SPILLAGE AND DISPOSAL

Original containers only, lids on, segregated by compatibility (acids away from chlorine products), banded, locked. The SDS set kept where the chemicals are.

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.