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|  | **COSHH Risk Assessments** |  |

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| **FACILITY** |  | **RISK ASSESSMENT NO:** |  |
| **ACTIVITY** |  | **ASSESSMENT TEAM:** |  |
| **ASSESSMENT DATE:** | **REVIEW DATE**: | **ASSESSMENT APPROVAL**: |  |

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| **TASK** | **HAZARD** | **HAZARD EFFECT (CONSEQUENCE)** | **C** | **L** | **RISK** | **MITIGATED BY** | **C (Reduced Consequence)** | **L)** | **REDUCED RISK (ALARP)** |
| Storage of flammable chemicals | Fire or explosion | Severe burns, property damage, fatality | 5 | 3 | 15 | Store chemicals in fire-resistant cabinets; maintain proper ventilation; enforce no-smoking policies | 5 | 1 | 5 |
| Handling of corrosive substances | Chemical burns, inhalation of fumes | Severe skin burns, respiratory issues | 4 | 3 | 12 | Use appropriate PPE (gloves, goggles, aprons); ensure proper labeling and containment | 2 | 1 | 2 |
| Storing incompatible chemicals | Dangerous chemical reactions | Release of toxic gases, explosion | 5 | 2 | 10 | Segregate incompatible chemicals; follow segregation guidelines and training | 5 | 1 | 5 |
| Spillage or leakage | Environmental contamination, exposure to workers | Respiratory issues, skin burns, slip hazards | 4 | 4 | 16 | Use spill containment kits; provide spill response training; inspect storage regularly | 2 | 1 | 2 |
| Incorrect labeling | Misuse or improper handling of chemicals | Exposure to harmful substances, accidents | 3 | 3 | 9 | Implement robust labeling protocols; conduct routine audits; train staff | 2 | 1 | 2 |
| Overfilled storage shelves | Shelf collapse, spillage | Injuries to personnel, chemical exposure | 4 | 3 | 12 | Do not exceed shelf weight limits; secure shelves; conduct regular checks | 2 | 1 | 2 |
| Lack of emergency equipment | Delayed response to incidents | Increased severity of injuries or damage | 5 | 2 | 10 | Install eyewash stations, emergency showers, and fire extinguishers; train staff on emergency procedures | 3 | 1 | 3 |
| Unauthorized access | Theft, improper use of chemicals | Accidental exposure, sabotage | 4 | 3 | 12 | Restrict access to authorized personnel only; use locked storage areas | 2 | 1 | 2 |

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| **Criteria: Consequence ( C )**  **Negligible**- Immediate return to work  **Minor** - First aid and return to work.  **Moderate**- Medical treatment/ lost time  **Major**- Multiple injuries and RIDDOR reportable  **Fatal/Catastrophic-** Death, loss of  installation | **Criteria: Likelihood ( L )**  **Improbable**- So unlikely that it would not happen.  **Unlikely**- Remote chance of event  **Possible**- Inattention may cause an event to happen.  **Probable**- Highly likely without control.  **Certain**- Will happen without Intervention/control. | **Risk Calculator**  Risk level **R= CxL**  1-3 Acceptable  4-6 Moderate  8-12 Substantial  15-25 Intolerable | **Conclusions:**  Working on construction sites is a hazardous activity if the controls proposed are followed this environment can be successfully managed.  Overall risk: Very High - High - Medium **-** Low  Are risks reduced to ALARP (as low as reasonably practicable): **Yes .** |

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| Likelihood→  Consequence↓ | Improbable  1 | Unlikely  2 | Possible  3 | Probable  4 | Certain  5 |
| Negligible 1 | 1 | 2 | 3 | 4 | 5 |
| Minor 2 | 2 | 4 | 6 | 8 | 10 |
| Moderate 3 | 3 | 6 | 9 | 12 | 15 |
| Major 4 | 4 | 8 | 12 | 16 | 20 |
| Fatal/catastrophic 5 | 5 | 10 | 15 | 20 | 25 |

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| 1-3 | 4-6 | 8-12 | 15-25 |
| Low | Medium | High | Very High |