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| **Flammable Liquids (use and storage of)** |
| **Description of activity**   * Diesel and petrol as fuel. * Reasonable amounts are kept as stock products in unopened containers e.g. solvents, resins, fillers, adhesive within a solvent base. Labelled as per requirements of the CLP Regulations. * Small amounts (<5ltr) are used at site/premises (but not left on site). |

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| **Hazards & consequences** |
| * **Principal hazard is fire** – this may cause operatives to be burned, but more likely is that they will be overcome or injured by the inhalation of hot gas, smoke and/or toxic fumes from the combustion reaction. There may also be a large amount of property damage associated with any fire and injury can occur as a result of impact from falling material or impact from projectiles propelled by explosion. * **Firefighting** – operatives may be at **risk of burns or other physical injury** if they are tempted into firefighting activities in the event of a fire. * **Dermatitis** – skin contact for prolonged periods may cause reactions in most people. There are a small number of people who have allergic reactions to short contact with either petrol or diesel. |

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| **Tools & equipment used** |
| * Flame-proof approved carrying and filling containers up to 5 litres (suitable for vehicle carriage). * Petrol tanks on vehicles and plant (MEWPS). |

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| **Persons likely to be exposed to the risk** |
| * Operatives directly involved with the work on site/premises – when product is being used (intermittent). * Any person in the area. |

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| **Initial risk** | **Without controls and precautions in place** | | | | | | |
| Likelihood | 1 | | 2 | | 3 | 4  **X** | 5 |
| Severity | 1 | | 2 | | 3 | 4  **X** | 5 |
|  | |  | | | | | |
| **Initial risk rating** | | 16 | **High** | |  | | |
|  | | | |  | | | |
| **Acceptable** | | No |  | | | | |

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| **Control measures** |
| * Products to be placed in clearly identified and labelled containers – as supplied. * Warning and no smoking signs posted to the flammable store area (as per Signs and Signals Regulations). * Flammable liquids not left on site/premises. * Regulation flameproof storage and transport containers only to be used (in appropriate colour code e.g. green unleaded petrol). Plastic containers should not be used for quantities of more than 10 litres. * Fuel containers in good condition must be kept in a well-ventilated, lockable store, preferably outside the work area/building. * Fuel containers must be kept in good condition and securely closed and in the correct storage position when refuelling NOT taking place. * No smoking in any work areas (where containers are open or substance/material is in use) with supervisory enforcement and disciplinary action as appropriate. * Suitable fire extinguishers or other extinguishing equipment (fire blankets) are located close to the point of works or stores areas and operatives are trained in their use. * No hot work or sparking electrical equipment allowed in the work areas, when product is in use or containers open. * No use of equipment producing a spark or similar in area. * Avoidance of the use of naked flames in areas of use or storage. * Operatives are informed of the dangers associated with flammable liquids and dangers should a fire occur. * Operatives are instructed in the actions to take in the event of a fire - see fire risk assessment. * Dermatitis - operatives to observe personal hygiene when handling fuels. That is to wash hands with soap and water after every handling activity. When handling diesel, if available, thin plastic disposable gloves should be used that are suitable for handling diesel i.e. similar to those on service station forecourts. * Housekeeping in all areas and avoidance of any flammable material in areas of use or storage.   **Note:** Diesel has a low risk of fire unless heated or in vaporised state and in the circumstances of use in this company is unlikely. |

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| **Comments** |
| Other information such as procedures, if required, to be attached separately. |

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| **Residual risk** | | **With controls and precautions in place** | | | | |
| Likelihood | | 1 | 2  **X** | 3 | 4 | 5 |
| Severity | | 1 | 2 | 3  **X** | 4 | 5 |
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| **Residual risk rating** | | 6 | **Low** |  |  | |
|  | | | | | | |
| **Acceptable** | | Yes |  | | | |
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| **Assessor** | Anthony Rose | **Signed** |  | | **Date** | 4/1/23 |