

**(INSERT YOUR COMPANY NAME HERE) Health and safety pack.**

**For: (INSERT NAME OF CLIENT, PROJECT OR CONTRACT NUMBER)**

**On: (INSERT TODAYS DATE)**

**Review date: (INSERT DATE 6 MONTHS AFTER TODAY)**

<b>Document author:</b>	<b>Signed:</b>	<b>Date:</b>

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## 1) Risk assessment for brick and blockwork

Potential hazards	People at risk and how?	Actions already in place	Further action required	Action by	Action target date	Done
<b>Falling from height (hop ups)</b>	Both minor and major injuries can occur if a worker falls from a hop up	<ul style="list-style-type: none"> <li>• Hop ups inspected prior to use, fit for purpose, with a maximum working height of 500mm</li> <li>• Ensure hop up legs are securely locked in place prior to use</li> <li>• Ensure the ground base for the hop ups is firm and level</li> <li>• Avoid over reaching when working and storing tools or materials on hop up</li> <li>• Painted hop ups are not to be used</li> </ul>	Manager to conduct tool box talk on working at heights prior to work commencing			
<b>Falling from height (mobile towers)</b>	High risk of injury or fatality to workers and members of the public if a mobile tower collapses or tips over	<ul style="list-style-type: none"> <li>• Towers not to be moved or dragged with brakes on</li> <li>• Towers to be checked for level and that brakes are engaged after moving</li> <li>• Only PASMA card holders to move and reposition mobile towers and outriggers</li> <li>• Correct access and egress to be used</li> <li>• Mobile towers only to be moved or repositioned when the working platform is empty</li> </ul>	Manager to brief all operatives on safe loading of mobile towers prior to work commencing and to conduct tool box talk on working at heights			

<b>Falling from height (scaffold)</b>	Serious or fatal injury could occur if a worker falls from height	<ul style="list-style-type: none"> <li>• Ensure guardrails, midrails and toe boards are in place and that it has been signed off prior to use</li> <li>• Use correct access and egress points, ensuring any gates, or trap doors are in correct position after use</li> <li>• Only use if signed off and seven day inspection checks have been carried out and are in date</li> <li>• Don't use after severe weather until scaffold has been re inspected</li> <li>• Visually check that there is no sign of tampering or interference of sole plates and ladders before use</li> </ul>	Manager to conduct tool box talk on working at heights prior to work commencing			
<b>Slips, trips and falls</b>	Sprains, fractures and tissue damage could be suffered by operatives or public from slipping, tripping or falling over tools, materials, waste or areas of bad ground	<ul style="list-style-type: none"> <li>• Housekeeping to be carried out at regular intervals throughout the working day with surplus materials and waste to be removed as work progresses</li> <li>• Safety boots to be worn by all operatives and site visitors</li> <li>• Work area to be cordoned off where practicable and site caution signs to be used</li> <li>• Avoid trailing cables, and ensure materials and tools are not obstructing designated walkways</li> </ul>				

		<ul style="list-style-type: none"> <li>• Use signage for uneven, or wet floor surfaces as well as for change in levels</li> </ul>				
<b>Objects falling from height</b>	Minor or serious injury could occur to a person if objects fall from height	<ul style="list-style-type: none"> <li>• Where possible only store light loads above head height</li> <li>• Maintain clear access to storage areas</li> <li>• Only use suitable storage systems</li> <li>• Ensure that items stored above head height are placed in a safe a suitable manner</li> <li>• Ensure adequate lighting is available in overhead storage systems</li> </ul>				
<b>Hazard to hands from general construction work</b>	Operatives can suffer skin disease and damage including dermatitis by prolonged contact with a range of materials	<ul style="list-style-type: none"> <li>• A minimum of palm coated gripper gloves to be worn</li> <li>• Waterproof gauntlets to be used for prolonged contact with wet works</li> <li>• Avoid direct contact with skin where possible and rinse off with clean water if contact occurs</li> <li>• Use of barrier cream encouraged</li> </ul>	Use of gloves to be monitored by supervisor			
<b>Hazard to hands from cement based products</b>	Operatives can suffer severe burns and skin damage by prolonged contact with cement based products	<ul style="list-style-type: none"> <li>• It is recommended that operatives use a barrier cream</li> <li>• PVC gloves to be used to avoid direct contact with product</li> <li>• Prolonged contact with cement based products may cause serious chemical</li> </ul>				

		burns and dermatitis so hands need to be rinsed off with water after contact				
<b>Manual handling</b>	Operatives may receive back and other injuries if correct practices are not adhered to	<ul style="list-style-type: none"> <li>• Manual handling should be avoided where at all possible, but when required: Raising, lowering, and carrying loads is to be carried out using correct posture and techniques and following the health and safety guidelines for lifting at work. This includes the consideration of how high an object is to be lifted and the distance from the torso.</li> <li>• The recommended maximum safe lifting limits when raising a compact object to waist level and close to the torso is 16kg for women and 25kg for men. However, these are only guidelines, and due to individuals having different capabilities, these figures are largely down to an individual's choice, provided they have had manual handling training and are competent.</li> <li>• If the load is to be moved check the route is free from obstacles before starting and use mechanical aids such as stack trucks where possible if applicable.</li> <li>• A load is classified as double handling if it is of irregular shape, obstructs vision, must be manhandled around staircases or other obstructions or if a person doesn't feel confident lifting it.</li> </ul>	All operatives and staff to have manual handling training every three years			

<b>Fire / explosion</b>	All operatives in the vicinity could suffer smoke inhalation or burns	<ul style="list-style-type: none"> <li>• Suitable fire extinguishers/sand buckets to be kept in welfare room and at various points around site if required</li> <li>• No hot works to be carried out without a permit and sign off</li> <li>• Fire risk assessment carried out prior to works commencing</li> <li>• Escape routes, traffic management plan, muster point and importance of signing in book explained at induction and good housekeeping maintained</li> <li>• Use of gas horns to act as fire alarm demonstrated at induction</li> </ul>	Supervisor to brief all operatives on first day on emergency arrangements agreed with principal contractor			
<b>Welfare / first aid</b>	Glasses cleaning stations, washing facilities and first aid facilities provide a safer working environment and allow minor cuts and grazes to be dealt with in a hygienic and proper manner	<ul style="list-style-type: none"> <li>• Principal contractor to provide on-site facilities including</li> <li>• Flushing toilet</li> <li>• Canteen with kettle, microwave and washing facilities</li> <li>• First-aid equipment</li> </ul>	Supervisor to brief operatives on facilities and the maintaining of a clean welfare area			
<b>Noise</b>	Operatives and others in the vicinity may suffer temporary or permanent hearing loss from exposure to noise	<ul style="list-style-type: none"> <li>• Consideration of tools noise output when selecting tools and low-noise tools used where possible</li> <li>• Adequate PPE for noise suppression supplied and used</li> </ul>				

		<ul style="list-style-type: none"> <li>• Operatives tool box talked on noise exposure at induction</li> </ul>				
<b>RSIs (Repetitive strain injuries)</b>	Any individual who carries out repetitive tasks may experience pain in various joints and muscle groups.	<ul style="list-style-type: none"> <li>• Avoid forceful or repetitive tasks where possible</li> <li>• Ensure work area is set up correctly</li> <li>• Avoid arching back or squatting for long periods</li> <li>• Avoid stretching and over reaching</li> </ul>				
<b>Angle grinder</b>	Strike injuries and eye damage from flying particles are the main hazard from using an angle grinder	<ul style="list-style-type: none"> <li>• Tool and cutter to be visually inspected prior to use have correct cutter for the job and have current PAT certification</li> <li>• Correct guard and PPE to be used to prevent strike damage from moving particles and hearing damage</li> <li>• Only trained operatives who are aware of tool kickback, correct blade usage and injury from flying particles to use tool</li> <li>• Consideration of clothing, hair, cable position and jewellery should be made to ensure that nothing can get caught in moving parts</li> <li>• Ensure the workpiece is in a secure position or clamped in place</li> </ul>				
<b>Substance Risks</b>						
<b>Brick dust</b>	Irritating to respiratory system and skin	<ul style="list-style-type: none"> <li>• Correct respiratory and eye PPE for the task and gripper gloves</li> </ul>				

<b>Brick&amp;Patio Cleaner Acid</b>	Irritating to eyes, respiratory system and skin and may cause irritation and chemical burns at the site of contact	<ul style="list-style-type: none"> <li>• Goggles or face masks to be used as well as arm and leg protection and wellington boots</li> <li>• Any contaminated areas to be washed immediately with copious amounts of fresh water</li> <li>• Do not use in unventilated confined spaces</li> </ul>	Supervisor to ensure all employees have read relevant COSHH Assessment and signed register prior to works commencing			
<b>Brick&amp;Patio Cleaner ECO</b>	Mildly irritating to eyes and skin	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> <li>• Any contaminated areas to be rinsed off with water</li> </ul>	Supervisor to ensure all employees have read relevant COSHH Assessment and signed register prior to works commencing			
<b>Cement</b>	Irritating to respiratory system and skin and may cause chemical burns, risk of serious damage to eyes, may cause sensitisation by skin contact	<ul style="list-style-type: none"> <li>• Avoid respirable dust by using a mask and goggles and loading cement mixers etc.. By standing up-wind of product</li> <li>• Any contaminated areas to be washed immediately with copious amounts of fresh water</li> <li>• The use of barrier cream and latex gloves underneath gripper gloves to be encouraged</li> </ul>				
<b>Cement Dye</b>	May cause eye and chest irritation	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> </ul>				



		<ul style="list-style-type: none"> <li>• When adding to mix, do so carefully to avoid release of respirable dust</li> </ul>				
<b>Dust from Cutting Cement and Bricks</b>	Irritating to respiratory system and skin with risk of impact damage to eyes, risk of vibration diseases due to using power tools	<ul style="list-style-type: none"> <li>• Water suppression system to be used, the correct respiratory and eye PPE for the task and gripper gloves or anti-vibration gloves to reduce vibration damage, time spent working with tool as per manufacturers guidelines</li> </ul>				
<b>Hydraulic Lime</b>	Irritating to respiratory system and skin, risk of serious damage and chemical burns to eyes, may cause chemical burns by skin contact	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> <li>• Avoid direct contact with skin and wash affected areas with fresh water</li> <li>• Avoid raising dust when mixing</li> </ul>				
<b>Mortar Plasticiser</b>	May cause drying of skin, chemical burns, irritation to skin and respiratory system and skin sensitisation	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> <li>• Avoid direct contact with skin and wash affected areas with fresh water</li> </ul>				

## 2) Risk awareness for areas where asbestos could potentially be discovered

Please note that this Risk Assessment is designed to make you aware of areas where asbestos could potentially be within your work environment.

It is not an exhaustive list, but is designed as a guide to help you remember which products may contain asbestos in your work environment, and consequently which products shouldn't be disturbed.

Any industrial or residential building, built or refurbished before the year 2000 may contain asbestos, and, if you suspect that you've discovered asbestos, stop work immediately and inform a supervisor or manager.

In this document AIB is the acronym for Asbestos Insulation Board

Potential hazards	Where this may be found
<b>Asbestos cement downpipes and gutters</b>	Found on roof lines and between roof and gutter  If unpainted it is usually easy to spot by its colour  If painted, it looks like a cast iron product
<b>Asbestos cement soil and vent pipes. Residential</b>	Usually on exterior of building but may be internal especially on maisonettes, flats and Town Houses.  If unpainted it is usually easy to spot by its colour  If painted, it looks like a cast iron product
<b>Asbestos cement soil and vent pipes. Commercial</b>	Usually on interior of tall buildings as no access equipment is needed to service or maintain but may be externally fitted  If unpainted it is usually easy to spot by its colour

	<p>If painted, it looks like a cast iron product</p>
<b>Asbestos cement flue pipes. Residential</b>	<p>Flue pipes usually take the shortest route from boiler to exterior either through a wall or the roof space</p> <p>Usually left unpainted when exiting through roof so easier to spot</p> <p>Often boxed in or painted internally</p>
<b>Asbestos cement flue pipes. Commercial</b>	<p>Flue pipes have to carry exhaust gas from a boiler room to the outside, and by the nature of commercial buildings, they can have complex designs</p> <p>Often spray coated, painted or boxed in</p> <p>If boxed in the material usually used is asbestos cement sheets</p> <p>Any boxing in may have been decorated as building has been maintained</p>
<b>Asbestos cement vent pipes</b>	<p>Mainly used in commercial buildings to transport cooled air in air conditioning systems</p> <p>Almost always boxed in, sometimes with asbestos cement sheets</p> <p>Any boxing in may have been decorated as building has been maintained</p>
<b>Textured decorative coatings</b>	<p>Artex is the main culprit and the only way to tell if it contains asbestos is to get it tested</p> <p>Found on both ceilings and walls</p>
<b>AIB ceiling tiles</b>	<p>Mainly found in commercial buildings and offices due to being able to hide cables above ceiling tray</p> <p>Rarely found in residential buildings as most has been removed due to going out of fashion</p>
<b>Asbestos cement water tanks</b>	<p>Usually found in roof spaces</p>

<b>Bakelite</b>	<p>Toilet cisterns and seats, old light fittings and switches and many other components</p> <p>Looks like plastic, and is usually dark brown or black and contains asbestos</p>
<b>Sprayed coatings</b>	<p>Mainly found in commercial buildings as most homes have plastered walls</p> <p>Sprayed coatings were used on walls, ceilings and beams as a fire retardant and insulator</p>
<b>Lagging</b>	<p>Used as an insulation material on pipes in both residential and commercial properties</p> <p>Also used on boilers, but this was mainly the larger commercial type</p>
<b>AIB bath panels</b>	<p>End and side panels for baths</p> <p>May have been decorated, tiled or cladded</p>
<b>AIB backing board</b>	<p>Found behind fuse boxes, consumer boards, behind and around boilers, in airing cupboards and behind fires</p>
<b>Loose fill insulation</b>	<p>Used in all property types as an insulation</p> <p>Can be found in loft spaces, under floor boards and in cavity walls</p>
<b>Vinyl floor tiles and adhesive</b>	<p>Predominantly a 150 x 150mm tile approximately 2mm thick</p> <p>Once a popular choice of flooring for kitchens and bathrooms in residential properties</p> <p>Used extensively in commercial properties for most floors and corridors</p> <p>Both the tile and adhesive may contain asbestos</p> <p>May be hidden under newer floor coverings</p>
<b>AIB in partition walls and fire doors</b>	<p>Used as a fire stop inside of both products</p>
<b>Asbestos cement roofs</b>	<p>Usually corrugated panelled roofs that are bolted or screwed to joists</p>

	Are brittle and fragile and were popular for farm out buildings as well as garage and commercial roofs
<b>Roofing felt</b>	Used for most flat roof applications and sometimes under shingles  Mainly used from the early 1900's to early 1980's
<b>Soffits</b>	Either AIB or asbestos cement board  Uses as a soffit and may be ventilated or whole  May be painted to match surrounding timbers
<b>Window panels</b>	Found in all building types both interior and exterior  Where a window frame is high level to floor but there is only glass in the top half  The bottom half is often painted on the outside and decorated or plastered on the inside
<b>Textiles</b>	Ironing board fabric, oven gloves, heat mats, fire blankets aprons. The list goes on  Any old fabric that has heat resistant properties is suspect
<b>Gaskets, seals and paper</b>	Often used in boilers and as seals on wood burners  Paper also used as liner for floorings and roof coverings  may be hidden under existing floor coverings

### 3) Method statement for brick and blockwork

#### Scope of Works

This method statement describes the work process for the following

- 1) Start of works
- 2) Setting out
- 3) Basic workmanship
- 4) Finishing

#### Step by step process

##### Start of works

- 1) Read relevant risk and COSHH assessment, and follow guidelines for the correct PPE.
- 2) Sheet up and protect work area and surrounding, including signage and barriers as required.
- 3) Visually inspect work area and only begin works if it is a safe working environment.
- 4) Cordon off work area if required to do so.
- 5) Ensure the area to be worked and exit points are clear of obstruction and that safe access and egress is maintained.
- 6) Check any electrical or hand tools for damage or faults, faulty or damaged tools must be removed from service immediately.
- 7) Do not leave tools and equipment unattended at any time.

##### Brick work, setting out

- 1) Load out bricks close to work area.
- 2) Transfer mortar to spot board.
- 3) Set out windows and doorways as per contract drawings.
- 4) Ensure all settings are level and plumb.

##### Brick work basic workmanship

- 1) All common, facing and engineering brickwork shall be laid to bond and course to match existing unless otherwise specified.
- 2) The work shall be carried up true and perpendicular and in regular stages, no part being raised more than 1m [or 12 courses] above another part whilst it is proceeding.
- 3) The work shall be solidly and evenly built and all joints shall be solidly bedded.
- 4) Broken bricks shall not be used except where legitimately required for bond.
- 5) All brickwork shall be level and perpend strictly true.

- 6) Faced work shall be kept perfectly clean and no rubbing down will be allowed.
- 7) The gauge of common and engineering brickwork shall be four courses and four joints to 300mm.
- 8) The gauge of facing brickwork shall match the gauges of the facing brickwork existing.

#### **Finishing**

- 1) All tools and equipment will be cleared to secure storage at the end of each shift
- 2) Staff will leave area clean and tidy at end of shift

#### **4) Method statement for cleaning brickwork**

##### **Scope of Works**

This method statement describes the work process for the following

- 1) Start of works
- 2) Cleaning brickwork with acid cleaner
- 3) Cleaning brickwork with Eco cleaner
- 4) Finishing

##### **Step by step process**

###### **Start of works**

- 1) Read relevant risk and COSHH assessment, and follow guidelines for the correct PPE.
- 2) Sheet up and protect work area and surrounding, including signage and barriers as required.
- 3) Visually inspect work area and only begin works if it is a safe working environment.
- 4) Cordon off work area if required to do so.
- 5) Ensure the area to be worked and exit points are clear of obstruction and that safe access and egress is maintained.
- 6) Check any electrical or hand tools for damage or faults, faulty or damaged tools must be removed from service immediately.
- 7) Do not leave tools and equipment unattended at any time.

###### **Acid clean brickwork**

- 1) There are many dangers present when using an acid brick cleaner and extreme caution is needed whilst carrying out the job. Read COSHH assessment first and ensure the recommended PPE is used.
- 2) Ensure a copious supply of water is at hand prior to works commencing.
- 3) Depending of strength of cleaning acid, it may need to be diluted with water as per manufacturer's instructions. If this is the case, always add acid to water and never the other way round.
- 4) Whether the acid needs diluting or not it will need to be poured into a bucket for safe application. Ensure that the bucket is never more than a quarter full as this will help prevent accidental splashes.
- 5) Wet down walls prior to using acid solution with copious amounts of water.
- 6) Apply the acid cleaner with a builders or scrubbing brush.



- 7) The porosity and make up stone or brick that you are cleaning will dictate the amount of time the acid can be in contact with it. For instance, a natural stone wall can be permanently stained by strong undiluted brick acid in just a few moments. Do a test area and do not keep solution in contact with work area for too long.
- 8) After the acid solution has been on the brickwork for a short while (Usually until it has stopped creating bubbles), use a stiff brush to clean off the offending mortar.
- 9) Rinse off work area and surrounding with copious amounts of water.

#### **Eco clean brickwork**

- 1) Ensure a copious supply of water is at hand prior to works commencing.
- 2) Depending on use of solution, it may need to be diluted with water as per manufacturer's instructions.
- 3) Whether the solution needs diluting or not it will need to be poured into a bucket for safe application. Ensure that the bucket is never more than a quarter full as this will help prevent accidental splashes.
- 4) It is essential to thoroughly wet porous surfaces before application and to rinse afterwards to remove all trace of cleaning solution.
- 5) Do not use on calcareous materials such as marble and travertine.
- 6) Apply the solution with a brush or spray. (Avoid using fine mist spray setting).
- 7) Take care when applying next to decorative finishes or metals, and immediately rinse off if contact occurs.
- 8) Leave the solution to react for 5 to 10 minutes then scrub clean with a brush and copious amounts of clean water. Rinse off work area and surrounding with copious amounts of water.

#### **Finishing**

- 1) All tools and equipment will be cleared to secure storage at the end of each shift
- 2) Staff will leave area clean and tidy at end of shift

## **5) Method statement for fitting lintels**

### **Scope of Works**

This method statement describes the work process for the following

- 1) Start of works
- 2) Fitting galvanised lintels
- 3) Fitting concrete lintels
- 4) Finishing

### **Step by step process**

#### **Start of works**

- 1) Read relevant risk and COSHH assessment, and follow guidelines for the correct PPE.
- 2) Sheet up and protect work area and surrounding, including signage and barriers as required.
- 3) Visually inspect work area and only begin works if it is a safe working environment.
- 4) Cordon off work area if required to do so.
- 5) Ensure the area to be worked and exit points are clear of obstruction and that safe access and egress is maintained.
- 6) Check any electrical or hand tools for damage or faults, faulty or damaged tools must be removed from service immediately.
- 7) Do not leave tools and equipment unattended at any time.

#### **Fitting galvanised lintels in cavity walls**

- 1) All blockwork, common, facing and engineering brickwork shall be laid to bond and course to match existing unless otherwise specified.
- 2) Lintels should be installed with a minimum end bearing of 150mm, bedded on mortar and levelled along its length and width.
- 3) When installing lintels ensure there is enough manpower to lift the lintel into position safely.
- 4) When installing the concrete lintel ensure there is adequate access equipment to lift the lintel into position safely.
- 5) Install a damp proof course (DPC) or cavity tray over all openings in external cavity walls if specified by architect or lintel supplier.
- 6) Install weep holes in perps at a maximum of 450mm intervals if specified by architect or lintel supplier.
- 7) Lintel should be positioned centrally in the cavity with the distance between the lintel up-stand within the cavity and masonry not exceeding 8.5mm
- 8) The masonry build on top of the lintel flanges should not overhang any flange by more than 25mm.

#### **Fitting concrete lintels**

- 1) All blockwork, common, facing and engineering brickwork shall be laid to bond and course to match existing unless otherwise specified.
- 2) Lintels should be installed with a minimum end bearing of 150mm, bedded on mortar and levelled along its length and width.
- 3) Concrete lintels should be bedded on pad stones or load bearing bricks specified by architect.
- 4) When installing concrete lintels ensure there is enough manpower to lift the lintel into position safely.
- 5) When installing the concrete lintel ensure there is adequate access equipment to lift the lintel into position safely.
- 6) Due to the weight of concrete lintels, the use of acro props to hold lintel in position until mortar underneath lintel has cured is common practice. If this is the case, ensure timbers are clamped to underside of lintel and that the acro props are mechanically fixed to timber.

### **Finishing**

- 1) All tools and equipment will be cleared to secure storage at the end of each shift
- 2) Staff will leave area clean and tidy at end of shift

## **6) Method statement for pointing and repointing**

### **Scope of Works**

This method statement describes the work process for the following

- 1) Start of works
- 2) Repoint brickwork
- 3) Finishing

### **Step by step process**

#### **Start of works**

- 1) Read relevant risk and COSHH assessment, and follow guidelines for the correct PPE.
- 2) Sheet up and protect work area and surrounding, including signage and barriers as required.
- 3) Visually inspect work area and only begin works if it is a safe working environment.
- 4) Cordon off work area if required to do so.
- 5) Ensure the area to be worked and exit points are clear of obstruction and that safe access and egress is maintained.
- 6) Check any electrical or hand tools for damage or faults, faulty or damaged tools must be removed from service immediately.
- 7) Do not leave tools and equipment unattended at any time.

#### **Repoint brickwork**

- 1) Sound mortar normally does not need to be removed from a building during a repointing process, however, ask the site manager for the specifics prior to commencing.
- 2) Create 5 Nr sample mortar mixes based on the age and type of building, architects details and clients or project manager's knowledge prior to raking out. Label the mixes and once cured used the mix with best colour match.
- 3) Removing existing mortar to a depth of between 10 and 28mm using a 110v mortar rake or mortar wheel, ensuring that dust extraction is used for either tool.
- 4) Wet down brickwork and joints with copious amounts of water.
- 5) Using a pointing trowel fill joints with new mortar.
- 6) Finish pointing in existing style or as to project manager's specs. E.g. Flush, Struck, Recessed...
- 7) Brush surrounding brickwork clean as required.

#### **Finishing**

- 1) All tools and equipment will be cleared to secure storage at the end of each shift

2) Staff will leave area clean and tidy at end of shift

DO NOT COPY

## 7) Method statement for underpinning

### Scope of Works

This method statement describes the work process for the following

- 1) Start of works
- 2) Underpinning
- 3) Finishing

### Step by step process

#### Start of works

- 1) Read relevant risk and COSHH assessment, and follow guidelines for the correct PPE.
- 2) Protect work area and surrounding, including signage and barriers as required.
- 3) Visually inspect work area and only begin works if it is a safe working environment.
- 4) Cordon off work area if required to do so.
- 5) Ensure the area to be worked and exit points are clear of obstruction and that safe access and egress is maintained.
- 6) Check any electrical or hand tools for damage or faults, faulty or damaged tools must be removed from service immediately.
- 7) Do not leave tools and equipment unattended at any time.

#### Underpinning

- 1) Mark out the first work sections that building control will inspect using line paint or timber stakes from information on engineers drawing.
- 2) Fit acro props and strong boys in positions specified on engineers drawing.
- 3) Break out concrete flooring and remove slabs, tarmac etc... to a distance of 1500mm away from work area.
- 4) Begin removing soil in layers of 200mm from 1500mm away from work area to existing wall.
- 5) As work progresses keep the trench sides upright and square and form soil steps with a 300mm going and rise.
- 6) Cut and place scaffolding boards onto soil step treads as they are formed.
- 7) Continue using this process until the trench is the correct size and depth.
- 8) Form and fit shuttering works.
- 9) Contact supervisor to arrange a building control inspection.
- 10) Once inspected and passed, pump in specified mix of concrete to correct depth.

#### Finishing

- 1) All tools and equipment will be cleared to secure storage at the end of each shift

2) Staff will leave area clean and tidy at end of shift

DO NOT COPY

## 8) COSHH assessment for cement

<b>Substance / material</b>	Cement													
<b>Suppliers address and phone number</b>	Lafarge Cement United Kingdom, Portland House, Bickenhill Lane, Birmingham B37 7BQ 0845 812 6232													
<b>Contents / ingredients of product</b>	Calcium silicates, aluminates, ferro-aluminates and sulphates. Small amounts of alkalis, lime, magnesia and chlorides are also present together with trace amounts of chromium compounds.						<b>Is there a work exposure limit</b>		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<b>Duration</b>	8 Hrs
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated		<input checked="" type="checkbox"/>	Inside poorly ventilated		<input type="checkbox"/>	Confined space		<input type="checkbox"/>			
<b>How the products used</b>	Mixing	<input checked="" type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools		<input checked="" type="checkbox"/>	Loading out	<input checked="" type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>	<b>Product state</b>		Solid	<input checked="" type="checkbox"/>	Liquid	<input type="checkbox"/>	Gas	<input type="checkbox"/>

Flammable


☐

Oxidising


☐

Gas under pressure


☐

Explosive


☐

Very toxic


☐

Corrosive


☐

Serious health hazard


☐












Health hazard/irritant


☒

Danger to environment


☐



PPE	Gloves 	Glasses 	Goggles 	Face shield 	Footwear 	PPE Clothes 	Dust mask 	FFP2 mask 	FFP3 mask 	Respirator 	Noise 
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:** Irritating to respiratory system and skin and may cause chemical burns. Risk of serious damage to eyes. May cause sensitisation by skin contact.

**Inhalation:** Chronic exposure to respirable dust in excess of occupational exposure limits may cause coughing, shortness of breath and may cause chronic obstructive lung disease.

**Contact dermatitis/Sensitising effects:** Some individuals may exhibit eczema upon exposure to wet cement, caused either by the high pH which induces irritant contact dermatitis, or by an immunological reaction to soluble Cr (VI) which elicits allergic contact dermatitis

**Medical conditions aggravated by exposure:** Inhaling cement dust may aggravate existing respiratory system disease(s) and/or medical conditions such as emphysema or asthma and/or existing skin and/or eye conditions.

**First aid and emergency measures:**



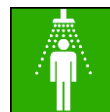
Emergency services



First aider



First aid box



Shower



Eye wash



Wash affected area



Boot wash

**First aid details:**

**After significant accidental inhalation:** Move person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms do not subside.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 45 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** For dry cement, remove and rinse abundantly with water. For wet cement, wash skin with water. Remove contaminated clothing, footwear, watches, etc, and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns.

**After significant accidental ingestion:** Do not induce vomiting. If person is conscious, wash out mouth with water and give plenty of water to drink. Get immediate medical attention or contact anti poison centre.

**Spillage and environmental:**

The product is not expected to be hazardous to the environment (LC50 aquatic toxicity not determined). The addition of large amounts of cement to water may, however, cause a rise in pH and may therefore be toxic to aquatic life under certain circumstances.

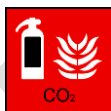
**Mobility:** Dry cement is not volatile but might become airborne during handling operations.

**Accidental release:** Pick up dry. Mark the containers. Possibly reuse depending upon shelf life considerations and the requirement to avoid dust exposure. In case of disposal, harden with water.

**After addition of water, hardened:** Dispose of according to the local legislation. Avoid entry into the sewage water system. Dispose of the hardened product as concrete waste. Due to the inertisation, concrete waste is not a dangerous waste.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket












Raise alarm












**Fire details:**

Cement is non-flammable, however it is manufactured in flammable plastic or paper packaging.

DO NOT COPY

## 9) COSHH assessment for brick and patio cleaner - Acid

<b>Substance / material</b>	Brick/Patio Cleaner (Acid based)													
<b>Suppliers address and phone number</b>	Seal It Services Ltd, T/A Bond It, Unit G16 Riverbank Way, Lowfields Business Park, Elland, Wesy Yorkshire. HX5 9DN. 01422 315300													
<b>Contents / ingredients of product</b>	Hydrochloric acid 10-20%						<b>Is there a work exposure limit</b>		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	<b>Duration</b>	
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated			<input type="checkbox"/>	Inside poorly ventilated		<input type="checkbox"/>	Confined space			<input type="checkbox"/>	
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input checked="" type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input checked="" type="checkbox"/>	Applying by hand / hand tools		<input type="checkbox"/>	Loading out	<input type="checkbox"/>	
<b>Product hazard levels</b>	High	<input checked="" type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input type="checkbox"/>	<b>Product state</b>		Solid	<input type="checkbox"/>	Liquid	<input checked="" type="checkbox"/>	Gas	<input type="checkbox"/>
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <b>Flammable</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Oxidising</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Gas under pressure</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Explosive</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Very toxic</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Corrosive</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Serious health hazard</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Health hazard/irritant</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Danger to environment</b>    <input type="checkbox"/> </div> </div>														

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:**

Irritating to eyes, respiratory system and skin and may cause irritation and chemical burns at the site of contact.

**Skin contact:** Causes irritation and chemical burns at the site of contact.

**Eye contact:** There may be irritation, chemical burns and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

**Inhalation:** There may be irritation of the throat, coughing and a feeling of tightness in the chest and irritation of the respiratory system.

**First aid and emergency measures:**



Emergency services



First aider



First aid box



Shower



Eye wash



Wash affected area



Boot wash



**First aid details:**

**After significant accidental inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl).

Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Remove any contaminated clothing and Immediately wash contaminated area.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting. Seek medical attention.

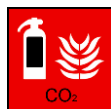
**Spillage and environmental:**

**Mobility:** Store in cool, well-ventilated area. Keep container tightly closed.

**Accidental release:** Do not discharge into drains or rivers. Contain the spillage using bunding then, absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm

**Fire details:**










Although the liquid is non-flammable heat sources close by produces irritating, toxic and obnoxious fumes.












Wear suitable respiratory equipment when necessary.

## 10) COSHH assessment for brick and patio cleaner – Eco

<b>Substance / material</b>	Brick/Patio Cleaner (ECO)													
<b>Suppliers address and phone number</b>	Geocel Limited, Western Wood Way, Langleigh Science Park, Plympton, Plymouth. PL7 5BG 01752 202060													
<b>Contents / ingredients of product</b>	Citric Acid Monohydrate 10-30%, Aluminium Chloride, Anhydrous 1-10%						<b>Is there a work exposure limit</b>		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<b>Duration</b>	8 Hrs
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated			<input checked="" type="checkbox"/>	Inside poorly ventilated		<input type="checkbox"/>	Confined space			<input type="checkbox"/>	
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input checked="" type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input checked="" type="checkbox"/>	Applying by hand / hand tools		<input type="checkbox"/>	Loading out	<input type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>	<b>Product state</b>		Solid	<input type="checkbox"/>	Liquid	<input checked="" type="checkbox"/>	Gas	<input type="checkbox"/>

Flammable	Oxidising	Gas under pressure	Explosive	Very toxic	Corrosive	Serious health hazard	Health hazard/irritant	Danger to environment
								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:**

Irritating to eyes and skin.

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be irritation of the mouth and throat. There may be vomiting.

**Inhalation:** No symptoms.



### First aid and emergency measures:



Emergency services



First aider



First aid box



Shower



Eye wash



Wash affected area



Boot wash



### First aid details:

**After significant accidental inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl).

Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Remove any contaminated clothing and wash contaminated area.

**After significant accidental ingestion:** Wash out mouth with water. Seek medical attention.

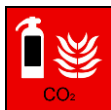
### Spillage and environmental:

**Mobility:** Store in cool, well-ventilated area. Keep container tightly closed.

**Accidental release:** Do not discharge into drains or rivers. Contain the spillage using bunding then, absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



### Fire details:










This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.












DO NOT COPY

# 11) COSHH assessment for hydrated lime

Substance / material	Hydrated Lime																	
Suppliers address and phone number	Lafarge Cement United Kingdom, Portland House, Bickenhill Lane, Birmingham B37 7BQ 0845 812 6232																	
Contents / ingredients of product	Calcium dihydroxide – Ca(OH) <sub>2</sub>										Is there a work exposure limit		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Duration	8 Hrs
Where the product's used	Outside	<input checked="" type="checkbox"/>	Inside well ventilated				<input checked="" type="checkbox"/>	Inside poorly ventilated				<input checked="" type="checkbox"/>	Confined space				<input type="checkbox"/>	
How the products used	Mixing	<input checked="" type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools				<input checked="" type="checkbox"/>	Loading out	<input type="checkbox"/>			
Product hazard levels	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>	Product state		Solid	<input checked="" type="checkbox"/>	Liquid	<input type="checkbox"/>	Gas		<input type="checkbox"/>			

Flammable	Oxidising	Gas under pressure	Explosive	Very toxic	Corrosive	Serious health hazard	Health hazard/irritant	Danger to environment
								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Confined space	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:** Irritating to respiratory system and skin. Risk of serious damage and chemical burns to eyes. May cause chemical burns by skin contact.

**Skin contact:** May cause chemical burns if left in contact with skin for periods of time and skin irritation.

**Eye contact:** Serious risk of eye damage and chemical burns to the eyes.

**Ingestion:** Hydraulic lime is not acutely when ingested but may cause irritation, nausea, vomiting and diarrhoea.

**Inhalation:** May cause irritation to the respiratory system.

**First aid and emergency measures:**



Emergency services

☐


First aider

☒


First aid box

☐


Shower

☐


Eye wash

☒


Wash affected area

☒


Boot wash

☒

**First aid details:**

No known delayed effects. Consult a physician for all exposures except for minor instances.

**After significant accidental inhalation:** Move person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms do not subside.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 45 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** For dry hydraulic lime, remove and rinse abundantly with water. For wet hydraulic lime, wash skin with water. Remove contaminated clothing, footwear, watches, etc, and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns.

**After significant accidental ingestion:** Wash out mouth with water and give plenty of water to drink. Seek medical attention if symptoms persist.

### Spillage and environmental:

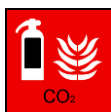
**Mobility:** The substance should be stored under dry conditions. Any contact with air and moisture should be avoided. Bulk storage should be in purpose-designed silos. Keep away from acids, significant quantities of paper, straw, and nitro compounds. Do not use aluminium for transport or storage if there is a risk of contact with water.

**Accidental release:** Contain the spillage. Keep the material dry if possible. Cover area if possible to avoid unnecessary dust hazard. Avoid uncontrolled spills to watercourses and drains (pH increase). Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body. Pick up dry. Mark the containers. Possibly reuse depending upon shelf life considerations and the requirement to avoid dust exposure. In case of disposal, harden with water.

**After addition of water, hardened:** Dispose of according to the local legislation. Avoid entry into the sewage water system.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



### Fire details:

The product is not combustible. Use a dry powder, foam or CO<sub>2</sub> fire extinguisher to extinguish the surrounding fire.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.










Do not use water.












DO NOT COPY

## 12) COSHH assessment for hydraulic lime

<b>Substance / material</b>	Hydraulic Lime													
<b>Suppliers address and phone number</b>	Tarmac Buxton Lime and Cement, Tunstead Quarry, Buxton, Derbyshire. SK17 8TG. +44 (0)1298 768555													
<b>Contents / ingredients of product</b>	calcium dihydroxide 30-65%, di-calcium silicate 15 – 40%, Calcium carbonate 0-10%						<b>Is there a work exposure limit</b>	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<b>Duration</b>	8 Hrs	
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated		<input checked="" type="checkbox"/>	Inside poorly ventilated		<input checked="" type="checkbox"/>	Confined space		<input checked="" type="checkbox"/>			
<b>How the products used</b>	Mixing	<input checked="" type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools		<input checked="" type="checkbox"/>	Loading out	<input checked="" type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>	<b>Product state</b>		Solid	<input checked="" type="checkbox"/>	Liquid	<input type="checkbox"/>	Gas	<input type="checkbox"/>

Flammable	Oxidising	Gas under pressure	Explosive	Very toxic	Corrosive	Serious health hazard	Health hazard/irritant	Danger to environment
								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Confined space	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:** Irritating to respiratory system and skin. Risk of serious damage and chemical burns to eyes. May cause chemical burns by skin contact.

**Skin contact:** May cause chemical burns if left in contact with skin for periods of time and skin irritation.

**Eye contact:** Serious risk of eye damage and chemical burns to the eyes.

**Ingestion:** Hydraulic lime is not acutely when ingested but may cause irritation, nausea, vomiting and diarrhoea.

**Inhalation:** May cause irritation to the respiratory system.

**First aid and emergency measures:**



Emergency services

☐


First aider

☒


First aid box

☐


Shower

☐


Eye wash

☒


Wash affected area

☒


Boot wash

☒

**First aid details:**



No known delayed effects. Consult a physician for all exposures except for minor instances.

**After significant accidental inhalation:** Move person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops or if discomfort, coughing or other symptoms do not subside.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 45 minutes to remove all particles. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** For dry hydraulic lime, remove and rinse abundantly with water. For wet hydraulic lime, wash skin with water. Remove contaminated clothing, footwear, watches, etc, and clean thoroughly before re-using them. Seek medical treatment in all cases of irritation or burns.

**After significant accidental ingestion:** Wash out mouth with water and give plenty of water to drink. Seek medical attention if symptoms persist.

#### Spillage and environmental:

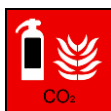
**Mobility:** The substance should be stored under dry conditions. Any contact with air and moisture should be avoided. Bulk storage should be in purpose-designed silos. Keep away from acids, significant quantities of paper, straw, and nitro compounds. Do not use aluminium for transport or storage if there is a risk of contact with water.

**Accidental release:** Contain the spillage. Keep the material dry if possible. Cover area if possible to avoid unnecessary dust hazard. Avoid uncontrolled spills to watercourses and drains (pH increase). Any large spillage into watercourses must be alerted to the Environment Agency or other regulatory body. Pick up dry. Mark the containers. Possibly reuse depending upon shelf life considerations and the requirement to avoid dust exposure. In case of disposal, harden with water.

**After addition of water, hardened:** Dispose of according to the local legislation. Avoid entry into the sewage water system.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



#### Fire details:

The product is not combustible. Use a dry powder, foam or CO2 fire extinguisher to extinguish the surrounding fire.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Do not use water.

DO NOT COPY

### 13) COSHH assessment for mortar plasticiser

<b>Substance / material</b>	Mortar Plasticiser													
<b>Suppliers address and phone number</b>	Bostik Limited, Common Road, Stafford, Staffordshire. ST16 3EH. +44 1785 272625													
<b>Contents / ingredients of product</b>	Fatty Alcohol Ether sulphate (Sodium Salt) 5-10%, Rosin 10-30%, Sodium Hydroxide 1-5%,						<b>Is there a work exposure limit</b>		Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	<b>Duration</b>	
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated			<input checked="" type="checkbox"/>	Inside poorly ventilated		<input type="checkbox"/>	Confined space			<input type="checkbox"/>	
<b>How the products used</b>	Mixing	<input checked="" type="checkbox"/>	Pouring	<input checked="" type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools		<input checked="" type="checkbox"/>	Loading out	<input type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input checked="" type="checkbox"/>	<b>Product state</b>		Solid	<input type="checkbox"/>	Liquid	<input checked="" type="checkbox"/>	Gas	<input type="checkbox"/>

Flammable


☐

Oxidising


☐

Gas under pressure


☐

Explosive


☐

Very toxic


☐

Corrosive


☒

Serious health hazard













☐

Health hazard/irritant


☒

Danger to environment


☐

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☐ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:** May cause drying of skin, chemical burns, irritation to skin and respiratory system and skin sensitisation.

**Skin contact:** May cause drying of skin, chemical burns, irritation and sensitisation.

**Eye contact:** May cause severe burns and eye damage.

**Ingestion:** May cause irritation, nausea, vomiting and diarrhoea.

**Inhalation:** May cause irritation to respiratory system.

### First aid and emergency measures:



Emergency services



First aider



First aid box



Shower



Eye wash



Wash affected area



Boot wash



### First aid details:

**After significant accidental inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Keep casualty in a safe environment where there is fresh air until effect has worn off. Seek medical attention if symptoms persist.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Wash copiously with soap and water - remove contaminated clothing, including shoes and laundry before re-use. If skin irritation develops seek immediate medical attention.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting and obtain medical attention urgently.

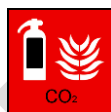
### Spillage and environmental:

**Mobility:** Store in an upright position and ensure container is tightly closed.

**Accidental release:** Do not discharge into drains or rivers. Contain the spillage using bunding then, absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



### Fire details:

The product is not combustible. Use a dry powder, water, foam or CO2 fire extinguisher to extinguish the surrounding fire.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

DO NOT COPY

#### 14) COSHH assessment for mortar water proofer

<b>Substance / material</b>	Mortar Waterproofer													
<b>Suppliers address and phone number</b>	Bostik Limited, Common Road, Stafford, Staffordshire. ST16 3EH. +44 1785 272625													
<b>Contents / ingredients of product</b>	Limonene <1%, Sodium Hydroxide <1%					<b>Is there a work exposure limit</b>		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<b>Duration</b>	8 Hrs	
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated		<input checked="" type="checkbox"/>	Inside poorly ventilated		<input checked="" type="checkbox"/>	Confined space			<input checked="" type="checkbox"/>		
<b>How the products used</b>	Mixing	<input checked="" type="checkbox"/>	Pouring	<input checked="" type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools		<input checked="" type="checkbox"/>	Loading out	<input type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input type="checkbox"/>	Low	<input checked="" type="checkbox"/>	<b>Product state</b>		Solid	<input type="checkbox"/>	Liquid	<input checked="" type="checkbox"/>	Gas	<input type="checkbox"/>

Flammable


☐

Oxidising


☐

Gas under pressure


☐

Explosive


☐

Very toxic


☐

Corrosive


☐

Serious health hazard













☐

Health hazard/irritant


☒

Danger to environment


☐

PPE	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in ☒ Swallowed ☒ In contact with skin ☒ In contact with eyes ☒ Other. Please specify

**Health risks:** May cause eye, skin and respiratory irritation as well as skin sensitisation.

**Skin contact:** May cause drying of skin and sensitisation.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** May cause irritation and discomfort if swallowed.

**Inhalation:** Vapour may irritate respiratory system and lungs.

**First aid and emergency measures:**



Emergency services

☐


First aider

☒


First aid box

☐


Shower

☐


Eye wash

☒


Wash affected area

☒


Boot wash

☒



**First aid details:**

**After significant accidental inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if symptoms persist.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Wash copiously with soap and water - remove contaminated clothing, including shoes and laundry before re-use. If skin irritation develops seek immediate medical attention.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting and obtain medical attention urgently.

**Spillage and environmental:**

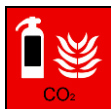
Readily biodegradable.

**Mobility:** Store in an upright position and ensure container is tightly closed.

**Accidental release:** Stop leak if possible without risk. DO NOT touch spilled material. Do not discharge into drains or rivers. Contain the spillage using bunding then, absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.



Water

☐

Carbon Dioxide

☐

Dry powder

☐

Foam

☐

Fire blanket





















☐

Raise alarm

☐**Fire details:**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

## 15) COSHH assessment for petrol

<b>Substance / material</b>	Petrol													
<b>Suppliers address and phone number</b>	BP Oil UK Limited, Witan Gate House, 500-600 Witan Gate, Central Milton Keynes. MK9 1ES. +44 (0) 1908 853000													
<b>Contents / ingredients of product</b>	Gasoline 80-100%, Benzene 0.1-1%, Toluene 5-30%, Tert-Butyl Methyl Ether 0-15%					<b>Is there a work exposure limit</b>		Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	<b>Duration</b>	8 Hrs	
<b>Where the product's used</b>	Outside	<input checked="" type="checkbox"/>	Inside well ventilated			<input checked="" type="checkbox"/>	Inside poorly ventilated		<input type="checkbox"/>	Confined space			<input type="checkbox"/>	
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input checked="" type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input type="checkbox"/>	Applying by hand / hand tools		<input type="checkbox"/>	Loading out	<input type="checkbox"/>	
<b>Product hazard levels</b>	High	<input type="checkbox"/>	Medium	<input checked="" type="checkbox"/>	Low	<input type="checkbox"/>	<b>Product state</b>		Solid	<input type="checkbox"/>	Liquid	<input checked="" type="checkbox"/>	Gas	<input type="checkbox"/>
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <b>Flammable</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Oxidising</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Gas under pressure</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Explosive</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Very toxic</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Corrosive</b>    <input type="checkbox"/> </div> <div style="text-align: center;"> <b>Serious health hazard</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Health hazard/irritant</b>    <input checked="" type="checkbox"/> </div> <div style="text-align: center;"> <b>Danger to environment</b>    <input checked="" type="checkbox"/> </div> </div>														
<b>PPE</b>	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise			
														
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

Inside poorly ventilated	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in	<input checked="" type="checkbox"/>	Swallowed	<input checked="" type="checkbox"/>	In contact with skin	<input checked="" type="checkbox"/>	In contact with eyes	<input checked="" type="checkbox"/>	Other. Please specify
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**Health risks:** Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and respiratory system. May cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.







**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting. If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. In high concentrations, vapours are anaesthetic and may cause headache, fatigue, dizziness and central nervous system effects.

**First aid and emergency measures:**

						
Emergency services	First aider	First aid box	Shower	Eye wash	Wash affected area	Boot wash
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**First aid details:**

**After significant accidental inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious place in the recovery position. Consult a physician if casualty does not rapidly improve.

**After contact with eyes:** Do not rub eyes, as additional cornea damage is possible by mechanical stress. Remove any contact lenses and open the eyelid(s) widely to flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at least 15 minutes. If possible, use isotonic water (0.9% NaCl). Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin. In extreme situations of saturation with this product, drench with water, remove clothing as soon as possible and wash skin with soap and water. Seek medical advice if skin becomes red, swollen or painful.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting. Get immediate medical help.

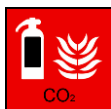
#### Spillage and environmental:

**Mobility:** Store in an upright position and ensure container is tightly closed. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store and use only in equipment/containers designed for use with this product. Do not remove warning labels from containers. Ensure lighting and electrical equipment are not a source of ignition.

**Accidental release:** Do not discharge into drains or rivers. Contain the spillage using bunding then, absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



#### Fire details:

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray. Do not use water jet.

These products are carbon oxides (CO, CO<sub>2</sub>).

Extremely flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**DO NOT FIGHT FIRE WHEN IT REACHES MATERIAL.** Withdraw from fire and let it burn. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First move people out of line-of-sight of the scene and away from windows.

Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

DO NOT COPY