

## Holland & Johnston Ltd Health and safety pack.

For: M Power

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## 1) Risk assessment for electrical installations and maintenance

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 (ladders)</b>	Serious or fatal injury could occur if a worker falls from height	<ul style="list-style-type: none"> <li>• Non-access ladders should be used in conjunction with ladder stays, a securing device or a person footing the ladder</li> <li>• Access ladders should be extended one metre above platform</li> <li>• Ladders in good condition, placed on a firm surface, and have a pre-use check prior to use and a thorough visual check every six months</li> <li>• Ladder is used at correct angle of 1 in 4, or 75°</li> <li>• Avoid over reaching and ensure that belt buckle remains between the ladder stiles at all times with both feet on the same rung</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 (step ladder)</b>	Serious or fatal injury could occur if a worker falls from height due to misuse of steps	<ul style="list-style-type: none"> <li>• Step ladders intended for domestic use must not be used in the work place</li> <li>• Ensure the ground base for the step ladder is firm and level</li> <li>• Avoid using step ladders in positions where they may be struck. E.g. by an opening door. If a compromising position cannot be avoided ensure a second person is employed as a spotter</li> <li>• Avoid over reaching and ensure that belt buckle remains between the step ladders stiles at all times</li> <li>• Ensure a second person foots the step ladder if working more than four steps high</li> </ul>	Manager to conduct tool box talk on working at heights prior to work commencing			
<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> </ul>	Manager to conduct tool box talk on working at heights prior			

		<ul style="list-style-type: none"> <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>	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> <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> </ul>				

		<ul style="list-style-type: none"> <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>Exposure to wood dust</b>	Workers risk respiratory diseases, such as asthma, from inhaling wood dust. Hardwood dust can cause cancer, particularly of the nose	<ul style="list-style-type: none"> <li>• Wood dust cleared up using a suitable vacuum cleaner, fitted with an appropriate filter</li> <li>• Suitable respiratory protective equipment used when sanding timber or creating wood dust where no mechanical extractors are possible</li> <li>• Appropriate Local exhaust ventilation (LEV) equipment fitted to machinery where practicable with staff trained how to use it</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>Hazards to hands (manual tools, strike and puncture wounds)</b>	Operatives could suffer strike or puncture injuries from materials and sharp objects they are working with	<ul style="list-style-type: none"> <li>• Palm coated gripper gloves to be worn at all times</li> <li>• Hammers and percussive hand tools to be in good condition with relevant handguards in place. Visually inspect prior to use</li> <li>• Cold chisels that have mushroomed should be re dressed, and blunt or damaged tools should be repaired or discarded</li> </ul>	Use of gloves to be monitored by supervisor			

		<ul style="list-style-type: none"> <li>• Follow correct sequence of works so that no debris can land from above</li> </ul>				
<b>Puncture wounds in feet (from waste material)</b>	Puncture wounds could be suffered by operatives and public from stepping on sharp objects or timbers that have not been de-nailed	<ul style="list-style-type: none"> <li>• Site footwear to have steel mid-soles</li> <li>• Timbers and other waste products de-nailed or made safe</li> <li>• Safety signage to be used to warn people of hazards and work area to be cordoned off if practicable</li> <li>• Ensure walkways are kept free from waste materials</li> <li>• Ensure there is adequate lighting</li> </ul>	Supervisor to brief operatives to ensure that all timbers are de-nailed and made safe			
<b>Knee damage (from kneeling)</b>	Musculoskeletal problems to knees may occur if body weight is predominantly on knees	<ul style="list-style-type: none"> <li>• Provision of suitable PPE for knee protection, either in the form of work wear with integral knee protection (recommended), or independent knee pads</li> <li>• Raise work up off the floor when possible to eliminate kneeling or squatting</li> <li>• Avoid remaining in one posture for long lengths of time</li> <li>• Sit on toolbox as oppose to kneeling or squatting where possible</li> </ul>				
<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>• Raising, lowering and carrying loads is to be carried out using the correct posture and technique</li> </ul>	All operatives and staff to have manual handling			

		<ul style="list-style-type: none"> <li>• Ensure the load is light enough to lift and will remain stable in transport. Loads over 25KG are classified as double handling</li> <li>• If the load is to be carried check the route is free from obstacles before starting</li> <li>• 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, has to be manhandled around staircases or other obstructions or if a person doesn't feel confident lifting it</li> </ul>	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	<ul style="list-style-type: none"> <li>• Principal contractor to provide on-site facilities including</li> <li>• Flushing toilet</li> </ul>	Supervisor to brief operatives on facilities and			

	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>• Canteen with kettle, microwave and washing facilities</li> <li>• First-aid equipment</li> </ul>	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> <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>Electric power</b>	Risk of electric shocks and fire risks including smoke inhalation and burns to people in the vicinity	<ul style="list-style-type: none"> <li>• Only 110v or cordless power tools allowed on site</li> <li>• 110 power can be received from a generator or a transformer providing an RCD is used</li> <li>• 110v battery chargers are preferred, however mains supply may be used providing an RCD is employed</li> <li>• All chargers, generator and tools to have an in-date PAT test</li> </ul>				



		<ul style="list-style-type: none"> <li>• Leads, tools, plugs and sockets to be visually inspected prior to use</li> </ul>				
<b>Hand arm vibration</b>	Exposure to vibration can lead to the development of “vibration white finger” (VWF) and other symptoms	<ul style="list-style-type: none"> <li>• No tools to be used where exposure levels are at or above the ELV (Exposure Limit Value of 400 points or 5 ms<sup>2</sup>)</li> <li>• A minimum of palm coated gripper gloves to be worn (EN 388) and work exposure levels in line with tool to be followed</li> <li>• Minimise the length of time vibratory tools and equipment are used in one go by dividing workloads into ten minute slots</li> <li>• All operatives to be given hand arm vibration toolbox talk on induction</li> <li>• Consideration given to minimising vibration levels when selecting new equipment</li> </ul>	Supervisors to attend hand arm vibration awareness training every 3 years			
<b>SDS percussion drill/chiseller</b>	Wrist sprains, eye and ear damage can occur if correct precautions are not observed	<ul style="list-style-type: none"> <li>• Tool and drill or chisel bits to be visually inspected prior to use be fit for purpose and have current PAT certification</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>• Safety glasses to be worn to protect eyes from impact damage off moving particles and continued use of tool to be avoided due to vibration and possible HAV injuries</li> </ul>				

		<ul style="list-style-type: none"> <li>• Drill to be removed from cutting surface every 30mm of depth when drilling concrete or masonry to prevent particle blow back</li> <li>• Torque settings to be used to prevent muscular sprains is drill bit stalls</li> </ul>				
<b>Power tools</b>	A range of minor, major and possibly fatal injuries can be sustained from moving parts of tools and the substances they are working with	<ul style="list-style-type: none"> <li>• Tools to be visually inspected prior to use and have current PAT certification</li> <li>• Correct drill bits, saw blades, grinder discs etc... to be used for the job and to be in good condition</li> <li>• No working tool to be forced. i.e. if excessive pressure has to be applied to get a tool to work, the situation has to be reassessed</li> <li>• Correct guards and PPE to be use to prevent impact or cut damage to eyes, face and body.</li> <li>• Consideration of clothing, hair and jewel should be made to ensure that nothing can get caught in moving parts</li> </ul>				
<b>Hazard off buried services</b>	Electrocution could occur from a buried services strike	<ul style="list-style-type: none"> <li>• Ensure principal contractor has surveyed for buried services</li> <li>• Use locators to trace any services. Mark the ground accordingly</li> <li>• Works not to commence until principal contractor gives the green light</li> <li>• Look around for obvious signs of underground services, eg valve covers or patching of the road surface</li> </ul>				

		<ul style="list-style-type: none"> <li>• Be aware that blinding sand, or fines is an indicator of buried services</li> </ul>				
<b>Substance Risks</b>						
<b>Decorators Caulk</b>	There may be irritation to eyes on contact	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> </ul>				
<b>Dust</b>	Irritating to respiratory system and skin with risk of impact damage to eye	<ul style="list-style-type: none"> <li>• Avoid vigorous brushing and the correct respiratory and eye PPE for the task to be worn</li> </ul>				
<b>Expanding Foam</b>	May cause irritation and sensitisation to contact points, irritation to eyes and respiratory system	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> <li>• Avoid contact with the skin</li> </ul>				
<b>Expanding Foam Fire Rated</b>	May cause irritation and sensitisation to contact points, irritation to eyes and respiratory system	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> <li>• Avoid contact with the skin</li> </ul>				
<b>Lead Solder</b>	Eye tissue could be damaged by metal and may be fatal if swallowed or inhaled	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> </ul>				
<b>Silicone sealant</b>	May cause skin, eye and	<ul style="list-style-type: none"> <li>• Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> </ul>				

	respiratory irritation	.				
<b>Soldering Flux Paste</b>	May cause skin and respiratory irritation and chemical burns to eyes	<ul style="list-style-type: none"> <li>Follow manufacturer's instructions and use guidance set out in COSHH Assessment</li> </ul>				
<b>Solvent Cement</b>	Has a narcotizing effect and vapours may cause drowsiness and dizziness, repeated exposure may cause skin dryness or cracking, irritating to eyes and respiratory system	<ul style="list-style-type: none"> <li>Follow manufacturer's instructions and use guidance set out in COSHH Assessment</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

	If painted, it looks like a cast iron product
<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>	Usually found in roof spaces
<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>	Mainly found in commercial buildings as most homes have plastered walls

	Sprayed coatings were used on walls, ceilings and beams as a fire retardant and insulator
<b>Lagging</b>	Used as an insulation material on pipes in both residential and commercial properties  Also used on boilers, but this was mainly the larger commercial type
<b>AIB bath panels</b>	End and side panels for baths  May have been decorated, tiled or cladded
<b>AIB backing board</b>	Found behind fuse boxes, consumer boards, behind and around boilers, in airing cupboards and behind fires
<b>Loose fill insulation</b>	Used in all property types as an insulation  Can be found in loft spaces, under floor boards and in cavity walls
<b>Vinyl floor tiles and adhesive</b>	Predominantly a 150 x 150mm tile approximately 2mm thick  Once a popular choice of flooring for kitchens and bathrooms in residential properties  Used extensively in commercial properties for most floors and corridors  Both the tile and adhesive may contain asbestos  May be hidden under newer floor coverings
<b>AIB in partition walls and fire doors</b>	Used as a fire stop inside of both products
<b>Asbestos cement roofs</b>	Usually corrugated panelled roofs that are bolted or screwed to joists  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>	<p>Found in all building types both interior and exterior</p> <p>Where a window frame is high level to floor but there is only glass in the top half</p> <p>The bottom half is often painted on the outside and decorated or plastered on the inside</p>
<b>Textiles</b>	<p>Ironing board fabric, oven gloves, heat mats, fire blankets aprons. The list goes on</p> <p>Any old fabric that has heat resistant properties is suspect</p>
<b>Gaskets, seals and paper</b>	<p>Often used in boilers and as seals on wood burners</p> <p>Paper also used as liner for floorings and roof coverings</p> <p>may be hidden under existing floor coverings</p>



### 3) Method statement for rewires, maintenance and new installations

#### Scope of Works

This method statement describes the work process for the following

- 1) Start of works
- 2) Cable runs
- 3) Switches, socket-outlets and zones
- 4) Consumer units and RCDs
- 5) Earth bonding
- 6) Testing
- 7) 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.

##### Cable runs

- 1) Concealed cables in walls to a depth of less than 50mm need to be covered with galvanised steel channel to BS
- 2) Cable management and surface mounted conduit runs shall be carried out to the relevant manufacturer's instructions depending on the product being used and including: Galvanised steel trunking, galvanised cable trays, galvanised conduit, PVC tubular conduit, mini and maxi trunking and flexible trunking.
- 3) When running cabled through joists by notching out. The notched should be central to any floor boards so that cable strikes are avoided when refitting boards. They should only be made at the top edge of a joist and should be no closer to the joist support than 0.25 times the

span and no further away than 0.4 times the span. Notches should be no deeper or wider than 0.125 times the depth of the joist. If more than one notch is required, they should be spaced at least 3 times the distance of the width of the largest notch.

- 4) When running cabled through joists by drilling. The hole should be central to any floor boards so that cable strikes are avoided when refitting boards and be a minimum depth of 50mm. The hole diameter should be no greater than 0.25 times the joists depth. Should be no closer to the joist support than 0.25 times the span and no further away than 0.4 times the span. If more than one hole is required, they should be spaced at least 3 diameters apart.
- 5) The maximum spacing for cable supports both horizontally and vertically is based on the manufacturers recommend fitting instructions and is calculated on the overall diameter of the cables.

### **Switches, socket-outlets and zones**

- 1) Appropriate equipment, switches and socket-outlets will be used for relevant zones
- 2) Horizontal minimal distances will be observed as required between zones
- 3) Maintenance switches for appliances such as showers and extractor fans need to be clearly labelled

### **Consumer units and RCDs**

- 1) With a rated current not exceeding 20 amps, socket-outlets are to have additional RCD/RCBO protection
- 2) Consumer units will be configured with RCBOs protecting individual circuits as well as the main switch
- 3) RCDs and RCBOs must be of the same manufacturer and be specifically designed for the consumer unit they are being used in
- 4) In accordance with BEAMAs recommendations, consumer units should be located so that the bottom row of switches are located between 1350 mm and 1450 mm off finished floor level, so that they are out of reach of young children and to avoid interference and inappropriate operation
- 5) The main switch on a consumer unit must have clear markings for “on” and “off”

### **Earth bonding**

- 1) Protective earth bonding is required between each metallic branch as it enters a building and the main earthing terminal
- 2) Further earth bonding to be fitted to individual appliances as required using BS 951 bonding clamps
- 3) All bare earth cables to be sheathed with BS colour coded PVC sheathing

## Testing

- 1) Appropriate testing and inspection to be carried out on completion of installation.

## 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 marking and fixing

##### Scope of Works

This method statement describes the work process for the following

- 1) Start of works
- 2) Measuring and marking
- 3) Fixing to walls
- 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.

##### Measure and mark

- 1) When working from a drawing, measure and mark the transferred measurements to work area. The golden rule is measure twice, mark once.
- 2) With all measurements a fine light straight or V-shaped pencil mark should suffice. The preferred marking tool is a bonded HB or harder pencil.
- 3) When setting datum lines mark the first one with a single slanted line '/', the second with a double slanted line '/' etc...
- 4) All measurements to be in millimeters.
- 5) Periodically check squares and levels for true.
- 6) Only use a proven straight edge as a ruler.

##### Fixing methods for appliances

- 1) The correct fixing type and size, such as a brass slotted screw or a stainless-steel bolt should be used for each appliance.

- 2) Chemical fixings such as 'No More Nails', only to be used if agreed with project management first.
- 3) For brick or concrete block constructed walls use plastic wall plugs and screw threaded mechanical fixings.
- 4) For light weight block walls use universal fixings or wall plugs and screw threaded mechanical fixings.
- 5) For timber stud walls, locate timber studs as a preference, and use wood screws, or if fixings need to be made where there are no studs, use plasterboard fixings including toggle bolts, and self-drills.
- 6) For metal stud and track partition walls use plasterboard fixings including toggle bolts, and self-drills.
- 7) For lathe and plaster walls, locate structural timbers as a preference, and use wood screws, or if fixings need to be made where there are no studs, use toggle bolts.

### **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) COSHH assessment for decorator's caulk












### COSHH Assessment for decorator's caulk

<b>Substance / material</b>	Decorators Caulk													
<b>Suppliers address and phone number</b>	Siroflex Limited, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire. S75 3SP. 01226 771 600													
<b>Contents / ingredients of product</b>	Dipropylene Glycol Dibenzoate 1-5%, Naphtha (Petroleum), Hydrosulfurized Heavy 1-5% Both non-hazardous					<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 checked="" type="checkbox"/>	Confined space		<input checked="" type="checkbox"/>			
<b>How the products used</b>	Mixing	<input 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"/>	
<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
								
<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"/>

<b>PPE</b>	Gloves	Glasses	Goggles	Face shield	Footwear	PPE Clothes	Dust mask	FFP2 mask	FFP3 mask	Respirator	Noise
											
Outside	<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 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:** There may be irritation to eyes on contact.

**Skin contact:** Generally the product does not irritate the skin.

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

**Ingestion:** Might cause mild stomach upset.

**Inhalation:** Generally the product gives off little vapour and inhalation has no ill effects.

**First aid and emergency measures:**


Emergency services

☐

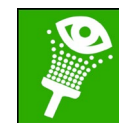

First aider

☐


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.

**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:** Wipe off with tissue and wash contaminated area.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a physician if symptoms persist.

**Spillage and environmental:**

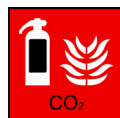
Non-toxic.

**Mobility:** No special measures required.

**Accidental release:** Do not discharge into drains or rivers. Pick up mechanically then dilute residue with plenty of water.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



**Fire details:**





















No special measures required.

Use fire extinguishing methods suitable to surrounding conditions.



## 6) COSHH assessment for dust

### COSHH Assessment for dust

Substance / material	Dust												
Suppliers address and phone number	N/A												
Contents / ingredients of product	Calcium silicates contained within bricks and concrete as well as sands, other aggregates and other substances contained in cement and mortar products.					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 checked="" type="checkbox"/>			
How the products used	Cutting into concrete or brickwork using angle grinders or petrol cutters.												
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 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

Inside well 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 checked="" 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 checked="" 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 checked="" 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 so water suppression system must be used. Risk of impact damage to eyes. Risk of vibration diseases due to using power tools so anti vibration gloves must be worn.

**Skin contact:** Risk of dust, fragments and particles hitting skin at high impact velocity and causing damage and lacerations.

**Eye contact:** There may be eye damage to membrane or total blindness. The eyes may get irritated and water from fine particles and suffer severe damage from larger fragments.

**Ingestion:** May cause irritation.

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

Inhaling dust may aggravate existing respiratory system disease(s) and/or medical conditions such as emphysema or asthma.

**Hearing:** May cause temporary or permanent damage to hearing, the risks of which could greatly increase depending on acoustics of environment.

**First aid and emergency measures:**



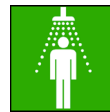
Emergency services

☐


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:** Dust off and wash affected area.

**After significant accidental ingestion:** Wash out mouth with water and give plenty of water to drink.

**After hearing damage:** Move person to safe place and allow time for hearing to start the recovery process. Seek medical attention on long term hearing loss/damage.

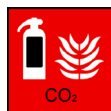
### Spillage and environmental:

**Mobility:** Dust and particles created from cutting are not volatile but might become airborne during handling operations.

**Accidental release:** Sweep up and dispose of dust created according to the local legislation.



Water

☐


Carbon Dioxide

☐


Dry powder

☐


Foam

☐


Fire blanket

☐


Raise alarm

☐

### Fire details:












Wastes from cutting brick and concrete are not flammable. Use fire-extinguishing media appropriate for surrounding materials.

## 7) COSHH assessment for expanding foam

### COSHH Assessment for expanding foam

<b>Substance / material</b>	Expanding Foam													
<b>Suppliers address and phone number</b>	Soudal N.V. Everdongenlaan 18-20, B-2300 Turnhout. +32 14 42 42 31 24h/24h: +32 14 58 45 45 (BIG) (NL, EN, FR, DE)													
<b>Contents / ingredients of product</b>	Polymethylene Polyphenyl Isocyanate ( - ) >25%, 4,4'-Methylenediphenyl Diisocyanate 10-25%, Alkanes, C14-17, Chloro 1-20%, Dimethyl Ether 1-10%, Propane 1-10%, Isobutene 1-20%						<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 type="checkbox"/>	
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input checked="" 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 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 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 checked="" type="checkbox"/>

<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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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 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:** May cause irritation and sensitisation to contact points, irritation to eyes and respiratory system.

**Skin contact:** May cause sensitisation to contact points.

**Eye contact:** May cause irritation to eyes.

**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 and obtain medical attention urgently.

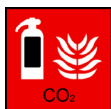
**Spillage and environmental:**

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

**Accidental release:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Allow to cure, and remove mechanically. 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:**

Use Powder, Carbon dioxide (CO<sub>2</sub>), Foam or Water spray. DO NOT USE full water jet.










Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Beware, risk of formation of toxic and corrosive gases. Hydrogen cyanide (HCN), Hydrogen chloride (HCl), Nitrogen oxides (NO<sub>x</sub>). Use self-contained breathing apparatus.

## 8) COSHH assessment for expanding foam (fire rated)












### COSHH Assessment for expanding foam (fire rated)

<b>Substance / material</b>	Expanding Foam (Fire rated)													
<b>Suppliers address and phone number</b>	Henkel Consumer Adhesives, Road 5, Winsford Industrial Estate, Winsford, Cheshire. CW7 3QY 01606 593933													
<b>Contents / ingredients of product</b>	Dimethylether 10-30%, Diphenylmethane-4,4'-Di-Isocyanate 10-30%					<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 checked="" type="checkbox"/>	Confined space		<input checked="" type="checkbox"/>			
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input checked="" 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 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 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 checked="" type="checkbox"/>

<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 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 type="checkbox"/>	<input checked="" 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 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	<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
-------------	-------------------------------------	-----------	-------------------------------------	----------------------	-------------------------------------	----------------------	-------------------------------------	-----------------------

**Health risks:** May cause irritation and sensitisation to contact points, irritation to eyes and respiratory system.

**Skin contact:** May cause sensitisation to contact points.

**Eye contact:** May cause irritation to eyes.

**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 and obtain medical attention urgently.

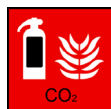
**Spillage and environmental:**

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

**Accidental release:** Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Allow to cure, and remove mechanically. 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:**

Use Powder, Carbon dioxide (CO<sub>2</sub>), Foam or Water spray. DO NOT USE full water jet.










Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Beware, risk of formation of toxic and corrosive gases. Hydrogen cyanide (HCN), Hydrogen chloride (HCl), Nitrogen oxides (NO<sub>x</sub>). Use self-contained breathing apparatus.

## 9) COSHH assessment for lead free solder












### COSHH Assessment for lead free solder

<b>Substance / material</b>	Lead Free Solder													
<b>Suppliers address and phone number</b>	Cookson Electronics, Forsyth Road, Sheerwater, Woking, Surrey, England. GU21 5RZ. +44(0)1483 758400													
<b>Contents / ingredients of product</b>	Tin 80-100%, Copper 0.5-1%					<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 type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input checked="" 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
								
<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"/>

<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 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 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:** Eye tissue could be damaged by metal and large quantities may be poisonous.

**Skin contact:** No hazard.

**Eye contact:** Eye tissue could be damaged by metal.

**Ingestion:** Large quantities may be poisonous.

**Inhalation:** Large quantities may be poisonous.

**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. Contact poison treatment specialist immediately if large quantities have been inhaled.

**After contact with eyes:** Contact a specialist of occupational medicine or an eye specialist if eye damage occurs through the metal touching the surface of the eye..

**After skin contact:** Wash the affected skin with soap and water.

**After significant accidental ingestion:** Contact poison treatment specialist immediately if large quantities have been ingested.

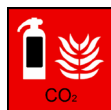
**Spillage and environmental:**

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

**Accidental release:** Pick up any released product and place back in container for reuse.



Water

☐


Carbon Dioxide

☐


Dry powder

☐


Foam

☐


Fire blanket

☐


Raise alarm

☐

**Fire details:**










Product is non-flammable and compatible with water, foam, carbon dioxide and dry powder extinguishers. Suitable extinguishing media for the surrounding fire should be used.

## 10) COSHH assessment for solder












### COSHH Assessment for lead solder

<b>Substance / material</b>	Lead Solder													
<b>Suppliers address and phone number</b>	Cookson Electronics, Forsyth Road, Sheerwater, Woking, Surrey, England. GU21 5RZ. +44(0)1483 758400													
<b>Contents / ingredients of product</b>	Lead 60-80%, Tin 20-30%, Antimony 1-5%					<b>Is there a work exposure limit</b>		Yes	<input 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 type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input checked="" 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
								
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

<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 type="checkbox"/>	<input checked="" 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:** Eye tissue could be damaged by metal and may be fatal if swallowed or inhaled.

**Skin contact:** No hazard.

**Eye contact:** Eye tissue could be damaged by metal.

**Ingestion:** May be fatal if swallowed.

**Inhalation:** May be fatal if inhaled.

**First aid and emergency measures:**



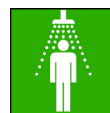
Emergency services

☐


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. Contact poison treatment specialist immediately if large quantities have been inhaled.

**After contact with eyes:** Contact a specialist of occupational medicine or an eye specialist if eye damage occurs through the metal touching the surface of the eye..

**After skin contact:** Wash the affected skin with soap and water.

**After significant accidental ingestion:** Contact poison treatment specialist immediately if large quantities have been ingested.

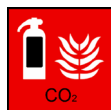
**Spillage and environmental:**

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

**Accidental release:** Pick up any released product and place back in container for reuse.



Water

☐

Carbon Dioxide

☐

Dry powder

☐

Foam

☐

Fire blanket

☐

Raise alarm

☐**Fire details:**










Product is non-flammable and compatible with water, foam, carbon dioxide and dry powder extinguishers. Suitable extinguishing media for the surrounding fire should be used.

## 11) COSHH assessment for silicone sealant












### COSHH Assessment for silicone sealant

<b>Substance / material</b>	Silicone Sealant													
<b>Suppliers address and phone number</b>	Siroflex Limited, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire. S75 3SP. 01226 771 600													
<b>Contents / ingredients of product</b>	Distillates (petroleum), hydrotreated middle 10- <30%, Distillates (petroleum), hydrotreated light 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 checked="" type="checkbox"/>	Confined space		<input checked="" type="checkbox"/>			
<b>How the products used</b>	Mixing	<input 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"/>	
<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
								
<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"/>

<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 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 checked="" 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"/>	<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 skin, eye and respiratory irritation.

**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.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**First aid and emergency measures:**



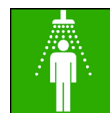
Emergency services

☐


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.

**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:** Wipe off with tissue and wash contaminated area.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting. Consult a physician if symptoms persist.

**Spillage and environmental:**

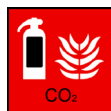
Non-toxic.

**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:**

No special measures required.

## 12) COSHH assessment for soldering flux

### COSHH Assessment for soldering flux

<b>Substance / material</b>	Soldering Flux Paste													
<b>Suppliers address and phone number</b>	Cookson Electronics, Forsyth Road, Sheerwater, Woking, Surrey, England. GU21 5RZ. +44(0)1483 758400													
<b>Contents / ingredients of product</b>	Alcohols, C11-14-iso-, C13-rich, ethoxylated 20-40%						<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 checked="" type="checkbox"/>	Confined space			<input checked="" type="checkbox"/>	
<b>How the products used</b>	Mixing	<input type="checkbox"/>	Pouring	<input type="checkbox"/>	Spraying	<input type="checkbox"/>	Brushing	<input checked="" 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
								
<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"/>

<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 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" 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:** May cause skin and respiratory irritation and chemical burns to eyes.

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

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

**Ingestion:** There may be soreness and redness of the mouth and throat. There may be stomach discomfort.

**Inhalation:** There may be respiratory irritation.

**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.

**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 the affected skin with soap and water. Seek medical treatment in all cases of irritation.

**After significant accidental ingestion:** Wash out mouth with water. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

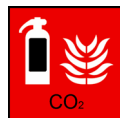
**Spillage and environmental:**

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

**Accidental release:** Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Scrape up material and clean residue with hand wipes, place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.



Water

☐


Carbon Dioxide

☐


Dry powder

☐


Foam

☐


Fire blanket

☐


Raise alarm

☐

**Fire details:**

Product is non-flammable and compatible with water, foam, carbon dioxide and dry powder extinguishers. Suitable extinguishing media for the surrounding fire should be used.

Decomposition products may include the following materials:

Carbon dioxide, carbon monoxide, nitrogen oxides and halogenated compounds.

No specific fire or explosion hazard.










Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 13) COSHH assessment for solvent cement












#### COSHH Assessment for solvent cement

<b>Substance / material</b>	Solvent Cement										
<b>Suppliers address and phone number</b>	FloPlastLtd, Castle Road, Eurolink Business Park, Sittingbourne, Kent. ME10 3FP. 01795 431731										
<b>Contents / ingredients of product</b>	Methyl Ethyl Ketone 25-50%, Cyclohexanone 10-25%, Tetrahydrofuran 10-25%, N-Methyl-2-Pyrrolidone ≤ 10-25%						<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 type="checkbox"/>	Pouring <input 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 checked="" type="checkbox"/>	<input 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"/>

<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 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 checked="" type="checkbox"/>	<input 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 checked="" 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	<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:** Has a narcotizing effect and vapours may cause drowsiness and dizziness. Repeated exposure may cause skin dryness or cracking. Irritating to eyes and respiratory system.

**Skin contact:** Generally the product does not irritate the skin. However, there may be irritation and redness at the site of contact for people with sensitive skin.

**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.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest, drowsiness and dizziness.

**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 narcotizing effect has worn off.

**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 20 minutes. If possible, use isotonic water (0.9% NaCl).

Contact a specialist of occupational medicine or an eye specialist.

**After skin contact:** Wipe off with tissue and wash contaminated area.

**After significant accidental ingestion:** Wash out mouth with water. Do not induce vomiting. Immediately consult a physician.

### Spillage and environmental:

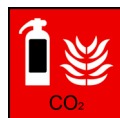
Not regarded as dangerous for the environment. However, contamination of the aquatic and terrestrial environments should be avoided.

**Mobility:** Store in cool, well-ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

**Accidental release:** Extinguish all ignition sources. Avoid sparks, flames heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) and place in containers. Containers must then be properly labelled with correct contents and hazard symbol.



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm



### Fire details:

Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.