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| Task/Activity: RA04 Silica Dust | Date assessment completed: 31/1/2023 | Review Date: 31/1/2026 |
| Brief Details of Task/Activity Silica dust created by construction operations on concrete, mortar or sandstone products | Assessment completed by: Sean Croudace | Signature: |

| What are the hazards? e.g. slip/trip hazards, electricity, manual handling, work equipment | Who might be harmed and how? e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc... | What are you already doing to control the hazard? | What further action or additional controls are required (if necessary) | Risk rating (after control measures) | Action by who | Action by when | Date completed |
|---|--|---|--|---|---------------|----------------|----------------|
| Airborne particles of respirable crystalline silica(RCS) | Employees and the public. Respiratory illnesses and asthma, other breathing problems. | <p>Adequate ventilation when using hazardous substances.</p> <p>Dust suppression equipment / water kits fitted and used at all times.</p> <p>All faults are to be reported immediately and machinery replaced/repared as necessary.</p> <p>Limit persons near to dust creating machinery – move materials to dedicated cutting stations wherever possible.</p> <p>Use alternative methods of cutting is possible ie block splitter or water table saw rather than cut off saw.</p> <p>Limit the number of cuts required if possible</p> | <p>Arrange refresher training for cut off saws and advise workers of the risks of RCS and ensure <i>Face Fitting</i> is up to date.</p> <p>Ensure PPE is being worn as advised and replace consumables as necessary.</p> <p>Consider alternative respiratory equipment ie powered hood for longer duration/dustier operations.</p> | E | | | |

| What are the hazards? e.g. slip/trip hazards, electricity, manual handling, work equipment | Who might be harmed and how? e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc... | What are you already doing to control the hazard? | What further action or additional controls are required (if necessary) | Risk rating (after control measures) | Action by who | Action by when | Date completed |
|---|--|--|---|---|---------------|----------------|----------------|
| | | <p><i>Face Fit</i> testing undertaken for all operatives. Ensuring operatives are aware that added or reduced body weight can alter the shape of the face and fit of the mask. Beards or stubble will prevent a full seal of the fitted mask and alternatives / re fitting will be required</p> <p>Operatives to have personal first aid kit on site vehicle which is up to date and replenished as necessary.</p> <p>Suitable P.P.E to be worn at all times. (SEE PPE LIST 1)</p> <p>Vary work to avoid over exposure. Rotate operatives using machinery.</p> <p>Eye wash available as necessary.</p> | | | | | |

| CATEGORIES OF LIKELIHOOD | |
|--------------------------|---|
| Highly Likely | Expected to happen/reoccur, possibly frequently. |
| Possible | Might happen/reoccur at some time depends on circumstances. |
| Unlikely | Not expected to happen/reoccur but possible in certain circumstances. |
| Very Unlikely | Would only occur in very exceptional circumstances. |

| CATEGORIES OF CONSEQUENCE SEVERITY | |
|------------------------------------|---|
| Catastrophic | Incident could result in <u>one or more fatalities</u> . |
| Major | Major injury resulting in incapacity, hospitalisation >24 hours. |
| Significant | Injury requires attention of a Doctor or Hospital treatment or hospitalisation <24 hours. |
| Minor | Small cut, bruise, abrasion, basic first aid treatment provided. |
| Negligible | Some discomfort, self help. No treatment required. |

| RISK RATING | | | | |
|---------------------|---------------|----------|----------|---------------|
| | Highly Likely | Possible | Unlikely | Very Unlikely |
| Catastrophic | A | A | B | E |
| Major | A | B | C | E |
| Significant | B | C | D | E |
| Minor | C | D | E | E |
| Negligible | E | E | E | E |

| RISK CLASSIFICATIONS | |
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| A | Unacceptable risk , requires immediate attention. Work <u>should not be started or continued</u> until the level of risk has been reduced. |
| B | High risk , requires immediate attention. Control measures must be identified and put into place as soon as possible. |
| C | Medium risk , requires attention as soon as possible. The risk should be only be tolerated in the short term and only when further control measures are being planned and introduced, Timescales must be short. |
| D | Low risks , confirm that there are no low/no cost solutions which may eliminate/ reduce the risk further. |
| E | Trivial risk , no further action required but review at regular intervals to ensure controls remain effective. |