Risk Assessment - Use of Angle Grinders

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Use of Angle Grinders

Type	Hazard Cause	Persons Affected	Control Measures	L S T Overall	Additional Control Measures	L S T Overall	Owner/Action
Health and Safety	Injury to user or those within work area Cuts, impact or fire caused by misuse	Volunteers & Staff	1) Engineering: Barrier off work area or restrict access so that projected materials cannot impact others or equipment etc. - Effective 2) CRITICAL - Engineering: Guards should be fitted, secured and in place to reduce emissions - Effective 3) CRITICAL - Engineering: Discs should only be used if still within safe working date - Effective 4) CRITICAL - Engineering: Discs should be inspected to check for cracks or other malformations before use - Effective 5) CRITICAL - Engineering: Discs should be dry and not exposed to any damp conditions - Effective 6) CRITICAL - Engineering: Tool should have a current PATS certificate - Effective 7) CRITICAL - Engineering: The workpiece must be securely fixed or clamped before work starts - Effective 8) CRITICAL - Engineering: Position workpiece, tool and user so that any particle emissions are projected away from the user - Effective 9) CRITICAL - Engineering: Tool must be unplugged from power source before changing a disc - Effective 10) CRITICAL - Engineering: Any dropped discs must be disposed of due to risk of undetectable damage - Effective 11) CRITICAL - Administrative: Users should be trained and competent to use grinders - Effective 12) CRITICAL - Administrative: Users should be trained, competent and certified to change cutting discs and abrasive wheels. - Effective 13) CRITICAL - Administrative: Ensure no flammables are within the work area - Effective 14) CRITICAL - PPE: Overalls, gloves, safety footwear, eye protection and ear defenders should be worn - Effective 15) CRITICAL - PPE: Fire extinguishers should be available - Effective 16) CRITICAL - PPE: Loose fitting sleeves must not be worn - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	1) Engineering: Consider using dust or fume extraction systems - Effective 2) PPE: Consider wearing a safety apron to reduce impact of sparks - Effective 3) PPE: Consider wearing flameproof overalls - Effective	2 x 3 = 6 Medium - Risk to be minimised and controlled so far as is reasonably practical.	n/a

Score and Control Measure Notes.
Risk is low if trained competent users follow the control measures.
Risk remains medium if extra control measures are followed

COSHH Assessments

There are no COSHH assessments associated with this risk assessment.
Ends

Appendix



Reference: UI-45735-806
angle grinder image - stock internet image of an angle grinder