UNIT CODE	CPCSIL5001
UNIT TITLE	Manage the risks of respirable crystalline silica
APPLICATION	This unit of competency specifies the skills and knowledge required to manage risks of exposure to respirable crystalline silica (RCS). The unit includes planning for compliant use of the hierarchy of control measures and monitoring strategies when working with products containing crystalline silica. The unit covers the identification of products containing crystalline silica, identification of worksite hazards and establishing appropriate risk control measures, so far as reasonably practical, for potential exposure to respirable crystalline silica. The unit also covers briefing and consulting with workers and contractors on compliant work requirements and covers the review of risk control measures and work practices as part of continuous improvement processes for workplace health & safety when working with products containing crystalline silica. The unit is suitable for persons conducting a business or undertaking (PCBU), employers, supervisors and managers responsible for ensuring the health and safety of employees, contractors and sub-contractors and suppliers working with products containing crystalline silica. The worksite may be static, such as factory or workshop settings or dynamic, such as, commercial and residential settings, construction sites, including demolition sites. Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant work health and safety state and territory regulatory authorities should be consulted to confirm jurisdictional requirements.
PREREQUISITE UNIT	
COMPETENCY FIELD	Building and Construction
UNIT SECTOR	Building and Construction

ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes of the unit.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Plan and prepare for work.	1.1 Identify WHS requirements for working with products containing crystalline silica (CS), including Codes of Practice, Guidance Notes, and Safety Data Sheets. 1.2 Identify work activity requirements and assess worksite for safety hazards. 1.3 Identify product(s) containing CS to be used for the work activity. 1.4 Identify nature and duration of dust exposure and determine level of exposure to respirable crystalline silica from work activity for operator and other persons in vicinity. 1.5 Develop safe work method statement (SWMS) for work activity. 1.6 Plan for appropriate combination of controls to be implemented and managed to mitigate risk of exposure, so far as reasonably practical, in accordance with WHS procedures. 1.7 Identify suitable respirable protective equipment (RPE) for the work activity and risk exposure. 1.8 Identify worker competency requirements, role responsibilities and training requirements.
2. Implement safety requirements.	2.1 Implement safe work method statement (SWMS) for work activity. 2.2 Conduct briefing meetings with workers in relation to work activity, worksite health & safety, PPE and RPE use and relevant training requirements. 2.3 Assign and confirm worker roles and responsibilities to perform work activity to ensure workers are appropriately trained on RPE use, fit checking, maintenance, serviceability and storage in accordance with manufacturer's instructions and WHS procedures. 2.4 Ensure plant, tools and equipment comply with workplace safety requirements and dust extraction, suppression and management. 2.5 Apply appropriate combination of control measures for

	duration of work activity. 2.6 Ensure selection of correct RPE for work activity and conduct fit testing for operator(s) and other workers, where applicable, in accordance with manufacturer's instructions.
3. Manage work site operations.	3.1 Establish ongoing communication processes to report on work safe procedures on worksite in accordance with WHS procedures. 3.2 Monitor compliant use of plant, tools and equipment for work activities in managing respirable crystalline silica in accordance with WHS procedures and WHS Regulations. 3.3 Arrange worker health monitoring, as required, in accordance with WHS procedures and WHS regulations. 3.4 Organise air monitoring by competent contractors, in accordance with WHS procedures and WHS regulations, where required. 3.5 Oversee work completion and compliant clean-up operations in accordance with WHS procedures.
4. Review management of risk exposure.	4.1 Review applied work practices with products containing CS for compliance with WHS policy and procedures and WHS regulatory requirements. 4.2 Assess effectiveness of applied control measures in managing exposure of risk during workplace operations. 4.3 Assess the serviceability and effectiveness of the RPE used in mitigating exposure risk for duration of work. 4.4 Record findings for future implementation in accordance with workplace WHS procedures and continuous improvement and retraining requirements. 4.5 Record and store air monitoring and worker health monitoring reports, in accordance with workplace record keeping and WHS procedures.

FOUNDATION SKILLS

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency

UNIT MAPPING INFORMATION No equivalent unit.

TITLE	Assessment Requirements for Manage the risks of respirable crystalline silica.
PERFORMANCE EVIDENCE	A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills, of this unit, in addition to the specific performance and knowledge evidence described below. In addition, candidates must be able to: • demonstrate the planning of safety requirements for three worksites to: o manage the risk of respirable crystalline silica o demonstrate the application of a combination of control measures for different products and work activities o demonstrate the selection of suitable RPE for staff exposed to respirable crystalline silica o demonstrate verification of fit checking of respirable protective equipment (RPE), training for staff in the use, maintenance, and storage of RPE.
KNOWLEDGE EVIDENCE	To be competent in this unit, a candidate must demonstrate knowledge of: • hierarchy of control measures: o elimination o substitution o isolation o engineering controls o administrative controls o PPE/RPE • products containing crystalline silica • activities generating RCS health hazards and risks • health and safety risks of working with products containing crystalline silica and from inhaling silica dust • WHS Regulations • employer responsibilities and duty of care requirements • range of compliant plant, tools and equipment used with products containing crystalline silica • RPE fit testing and fit checking requirements • maintenance and storage requirements for RPE • training for RPE use, maintenance and storage

	• housekeeping methods and dust control measures • contingency planning.

ASSESSMENT CONDITIONS	Assessment of performance must be undertaken in the workplace or simulated workplace environment. A simulated workplace is one that fully replicates the resources, environment and any time and productivity pressures that exist in the actual workplace, and which meets industry standards for safety and environmental practices. The simulated workplace environment must be developed in consultation with industry stakeholders. Candidates must be provided with access to: ▪ both static and dynamic worksites or simulated static and dynamic worksites ▪ relevant task or work specifications ▪ appropriate documents, materials, tools, equipment and personal protective equipment (PPE) and respirable protective equipment (RPE) currently approved for use in industry, as per codes of practice, Australian Standards, requirements of legislation, regulations and requirements of workplace policies and procedures as required by Commonwealth, state and territory regulators ▪ relevant environmental requirements.
LINKS	Link to Companion Volume Implementation Guide will be inserted here.