

UNIT CODE	CPCSIL1001
UNIT TITLE	Prepare to work safely with products and materials containing crystalline silica
APPLICATION	<p>This unit of competency specifies the skills and knowledge required in preparation to work with products and materials containing crystalline silica. The unit requires the person to demonstrate personal awareness and knowledge of health and safety legislative requirements in order to work safely and prevent injury or harm to self and others.</p> <p>This unit covers the awareness of:</p> <ul style="list-style-type: none"> • risk control measures to manage respirable crystalline silica • planning for the use of appropriate workplace equipment including respiratory protective equipment (RPE) and personal protective equipment (PPE); and • communication processes in the workplace. <p>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.</p>
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 to work with products containing crystalline silica (CS).	<p>1.1 Identify workplace health and safety (WHS), jurisdictional legislation, Codes of Practice, Guidance Notes, Safety Data Sheets and policies and procedures for safe work practices with products containing CS.</p> <p>1.2 Identify employer/employee duty of care responsibilities and employee responsibilities for maintaining own health and safety.</p> <p>1.3 Identify requirements of work site safety signs and symbols.</p>
2. Plan to use risk control measures.	<p>2.1 Identify products and materials containing CS for planned work.</p> <p>2.2 Describe classifications of level of risk with planned work activities for products containing CS.</p> <p>2.3 Identify and select highest risk control measure(s) so far as reasonably practical, appropriate to work activity posing risk, in accordance with WHS procedures and in consultation with supervisor.</p>
3. Prepare to use workplace equipment and PPE/RPE.	<p>3.1 Identify tools and equipment, including on-tool wet and dry extraction devices for planned work activity.</p> <p>3.2 Identify compliant PPE and/or RPE in accordance with manufacturer's instructions and WHS procedures.</p> <p>3.3 Identify appropriate workplace cleaning requirements and processes in managing respiratory crystalline silica (RCS) and dust exposure.</p>
4. Comply with WHS communication requirements.	<p>4.1 Identify recording and reporting procedures in accordance with WHS procedures.</p> <p>4.2 Confirm process for reporting incidents and risk control failures or limitations.</p> <p>4.3 Identify feedback and support processes when handling or working with products and materials where level of CS is unknown or unclear.</p>

FOUNDATION SKILLS

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

**UNIT MAPPING
INFORMATION**

No equivalent unit.

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TITLE	Assessment Requirements for Prepare to work safely with products and materials containing crystalline silica.
PERFORMANCE EVIDENCE	<p>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.</p> <p>In addition, candidates must be able to:</p> <ul style="list-style-type: none"> • explain crystalline silica and respirable crystalline silica • explain three different work activities that can generate respirable silica dust • describe compliant use of PPE and RPE for at least three different workplace contexts • outline key requirements of the health and safety legislation governing working with CS.
KNOWLEDGE EVIDENCE	<p>To be competent in this unit, a candidate must demonstrate knowledge of:</p> <ul style="list-style-type: none"> • health and safety risks working with products and materials containing crystalline silica • health risks from inhaling respirable crystalline silica (RCS) • risk control measures • products and materials containing crystalline silica, such as: <ul style="list-style-type: none"> ○ concrete ○ mortar ○ bricks ○ pavers ○ tiles ○ natural & manufactured stone bench tops ○ cement sheeting ○ aerated concrete • silica dust generated by workplace mechanical processes, such as: <ul style="list-style-type: none"> ○ crushing ○ cutting ○ drilling ○ grinding ○ sawing/polishing natural stone or manufactured products containing silica

	<ul style="list-style-type: none"> • relevant legislation governing handling and working with products and materials containing CS, including monitoring requirements • employer responsibilities and duty of care requirements • employee responsibilities and requirements • factors affecting fit of PPE and RPE • safe disposal of crystalline silica waste • safe cleaning & housekeeping methods with silica dust • dust control measures.
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ASSESSMENT CONDITIONS	<p>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.</p> <p>Candidates must be provided with access to:</p> <ul style="list-style-type: none"> ▪ appropriate documents, materials, tools, equipment, personal protective equipment (PPE), respiratory 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.
LINKS	Link to Companion Volume Implementation Guide will be inserted here.