



Australian Government

MEM08009 Make up solutions

Release: 1

MEM08009 Make up solutions

Modification History

Release 1. Supersedes and is equivalent to MEM08009C Make up solutions

Application

This unit of competency defines the skills and knowledge required to make up solutions and maintain process specific equipment, including probes and electrodes.

Where the interpretation of technical drawings is required unit MEM09002 Interpret technical drawing should also be selected.

Where the selection and use of engineering measurement is required unit MEM12023 Perform engineering measurements should also be selected.

Where the selection and use of tools is required unit MEM18001 Use hand tools and unit MEM18002 Use power tools/hand held operations, should also be selected as appropriate.

This unit should not be selected if any the following units have been selected:

- MEM08018 Electroplate engineering coatings
- MEM08019 Electroplate protective finishes; and/or
- MEM08020 Electroplate decorative finishes

Maintenance of solution ratio and purity is covered by other units.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 2

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13003	Work safely with industrial chemicals and materials
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

Competency Field

Surface finishing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|--|-----|--|
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs) |
| | | 1.2 | Comply with work health and safety (WHS) requirements at all times |
| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, job sheets or work instructions |
| | | | |
| 2 | Prepare solution | 2.1 | Identify appropriate solutions for application requirements or specifications |
| | | 2.2 | Calculate volumes, density and solution concentration for effective operation |
| | | 2.3 | Make up suitable volume of solution from supplier's instructions and/or manual in accordance with SOPs |
| | | 2.4 | Refer spent solutions to waste treatment processing in accordance with procedures |
| | | | |
| 3 | Maintain process specific equipment | 3.1 | Carry out inspection of probes and electrodes |
| | | 3.2 | Rectify faults or defects, as required |
| | | 3.3 | Recalibrate meter probes, as required |

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

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

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>