

## Prepare explosives process materials

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### Overview

This standard covers the competences you need to prepare explosives process materials in accordance with approved procedures and practices.

You will be required to demonstrate that you can verify the materials against the process instructions, dealing promptly with problems, reporting to the appropriate person any that are beyond your control in accordance with approved procedures and practices.

This activity is likely to be undertaken by someone whose work role involves Weapons, Ordnance, Munitions or Explosives work activities. This includes those working as manufacturing and general explosives workers.

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**Performance criteria**

- You must be able to:*
- P1 work safely at all times, complying with health and safety, environmental and other relevant regulations, legislation and guidelines
  - P2 confirm that you have the required process instruction
  - P3 ensure that the necessary equipment is correctly prepared and is ready for use
  - P4 confirm that you have the specified materials
  - P5 verify the materials against the process instructions
  - P6 use the correct process method for the materials
  - P7 control material preparation so that the environmental process conditions are met
  - P8 ensure that all the correct environmental conditions are maintained
  - P9 ensure that appropriate action is taken to minimize waste
  - P10 deal promptly with problems, reporting to the appropriate person any that are beyond your control
  - P11 report accurately and promptly any damage, spillage or contamination to materials within your responsibility and prevent the materials from being used until the problem has been dealt with
  - P12 clean the area and equipment correctly
  - P13 reconcile materials and make accurate records, using the correct documentation

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**Knowledge and understanding**

*You need to know and understand:*

- K1 the health, safety and environmental and other statutory legislation, regulations and safe working practices and procedures governing explosives and their implications for your area of work
- K2 the relevance of personal protective equipment (PPE)
- K3 work area hazards
- K4 the actions to be taken in response to an unplanned event
- K5 the nature of the materials being processed
- K6 the hazards to people and the environment arising from mishandling and mis-processing of materials
- K7 the process instructions
- K8 the precautions and procedures that should be applied when handling materials, at each stage of the process and in storage
- K9 the importance of checking materials against the process instructions
- K10 methods of dispensing materials and the equipment to be used
- K11 the importance of segregating conforming and non-conforming components and waste
- K12 the compatibility mixing rules
- K13 the types of containment and storage
- K14 the documentation requirements

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**Scope/range**

1. Explosive environments: low negative consequence; high negative consequence
2. Dispensing: by weight; by volume; by unit
3. Condition of materials: in good condition; in poor condition

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