

# COGBLO8

## Package bulk liquid products



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### Overview

This unit deals with the following:

- 1 Preparing, filling and securing receptacles
- 2 Decommissioning and cleaning equipment and systems
- 3 Stowing packaged products

During this work you must take account of the relevant operational requirements and safe working practices AS THEY APPLY TO YOU.

#### **Previous version:**

Adapted from Bulk Liquid Warehousing NOS - July 2001

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### Performance criteria

*You must be able to:*

- P1 ensure appropriate stocks of consumables are available
- P2 correctly use ancillary equipment
- P3 effectively confirm that the system is ready for use
- P4 correctly secure and connect the system and earthing connections
- P5 correctly select the appropriate receptacles
- P6 ensure that the filling system is appropriate to the nature of the product
- P7 correctly fill the receptacle
- P8 correctly use sealing and securing devices
- P9 ensure that gulleys and drainage channels are free of obstruction and clear of contamination
- P10 ensure that hoses and sumps are clear of product and valves are shut prior to disconnection from line
- P11 correctly disconnect all relevant equipment
- P12 correctly blank off flanges and hoses
- P13 use the correct cleaning agents and techniques
- P14 correctly store the receptacles in an appropriate location
- P15 communicate all relevant information to the appropriate people
- P16 work safely in accordance with operational requirements

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### Knowledge and understanding

*You need to know and understand:*

- K1 how to select, use and care for PPE (e.g. sight/hearing protection, gloves, footwear, hard hats, respirators)
- K2 the implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- K3 how to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- K4 how to use safe lifting and handling techniques
- K5 the nature and purpose of consumables (e.g. labels, sealing devices, securing devices)
- K6 the principles of use of ancillary equipment (e.g. safety, product control, product measurement)
- K7 how to ensure that the isolation and containment devices and equipment are in full working order
- K8 how to secure and connect the system and earthing connections to the correct product lines
- K9 how to select the appropriate receptacle (e.g. considerations of type, condition, cleanliness, volume, dryness)
- K10 how to position the receptacle
- K11 the range of filling systems available to you
- K12 how to correctly fill the receptacle (e.g. specified weight or volume of product)
- K13 how to deal with overfills
- K14 how to use sealing and securing devices (e.g. suitability, leakage prevention)
- K15 the information required on the receptacles
- K16 the range of cleaning agents and techniques available to you
- K17 the properties of the residual product
- K18 how to leave the system and equipment in an appropriate condition
- K19 how to deal with leakage
- K20 how to minimise the risks associated with stacking of receptacles (e.g. position, orientation, extent of covering)
- K21 how to deal with leaking or damaged receptacles
- K22 the information to communicate (e.g. written, verbal, electronic) and to whom

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### Additional Information

#### Scope/range

- 1 How to select, use and care for PPE (e.g. sight/hearing protection, gloves, footwear, hard hats, respirators)
- 2 The implications of statutory (e.g. HASAWA and COSHH) and organisational requirements
- 3 How to interpret operational requirements (e.g. policies, procedures, instructions, codes of practice, standards, schedules)
- 4 How to use safe lifting and handling techniques
- 5 The information to communicate (e.g. written, verbal, electronic) and to whom

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**Developed by** Cogent

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**Status** Original

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**Originating organisation** Cogent

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**Relevant occupations** Engineering and manufacturing technologies; Manufacturing technologies; Process, Plant and Machine Operatives; Process Operatives

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**Suite** Bulk Liquid Operations

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**Key words** prepare, package, bulk liquids, products, filling, securing, receptacles, stowing, cleaning equipment