



**Australian Government**

# **ICPINK221 Blend chemicals**

**Release: 1**

## ICPINK221 Blend chemicals

### Modification History

Release	Comments
Release 1	This version first released with ICP Printing and Graphic Arts Training Package Version 1.0.

### Application

This unit describes the skills and knowledge required to blend chemicals for ink and varnish manufacture.

It applies to individuals who typically perform routine tasks under direct supervision to ensure production requirements are met. Individuals identify process and job requirements, set up machinery or equipment and complete the blending process according to defined procedures.

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

### Unit Sector

Ink Manufacture

### Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1 Read and interpret job requirements and locate materials	1.1 Appropriate processes are identified and confirmed, and original is assessed to determine scanner settings 1.2 Appropriate chemicals, inks, materials and/or equipment are selected according to job specifications
2 Set up machines/equipment	2.1 Pre-startup checks are completed and documented according to enterprise procedures 2.2 Raw materials or feed lines are checked to ensure availability 2.3 Machine and equipment operation is verified according to enterprise procedures
3 Maintain blending or	3.1 Mix is completed according to enterprise procedures and work

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
homogenising process	<p>health and safety (WHS) requirements</p> <p>3.2 Materials are added to process according to job specifications</p> <p>3.3 Quality inspection and sampling is carried out according to enterprise procedures</p> <p>3.4 Adjustments to mix or equipment are made to correct identified quality problems</p> <p>3.5 Records, log or checklists are completed according to enterprise procedures</p>
4 Shut down	<p>4.1 Correct shutdown sequence is followed according to manufacturer's specifications and enterprise procedures</p> <p>4.2 Product or materials used in manufacture are removed from operating area where appropriate</p> <p>4.3 Solid and liquid waste is removed from operating area and recycled or disposed of, where required, according to regulatory requirements and enterprise procedures</p>
5 Clean up	<p>5.1 Equipment cleaning requirements are identified</p> <p>5.2 Correct equipment or materials for manual or mechanical cleaning are selected</p> <p>5.3 Cleaning is undertaken according to enterprise procedures and WHS requirements</p>

## Foundation Skills

*This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.*

<b>Skill</b>	<b>Performance Criteria</b>	<b>Description</b>
Reading	1.1, 1.2, 3.2	<ul style="list-style-type: none"> <li>Establishes job requirements from job documentation or production control system</li> </ul>
Writing	2.1, 3.5	<ul style="list-style-type: none"> <li>Records information related to job outcomes</li> <li>Accurately completes records, logs and checklists</li> </ul>
Numeracy	1.2, 3.1-3.4	<ul style="list-style-type: none"> <li>Measures and records quantities of materials</li> <li>Checks measuring devices for accuracy and resets as required</li> </ul>
Navigate the	2.1, 2.3, 3.1, 3.3, 3.5,	<ul style="list-style-type: none"> <li>Complies with legislative requirements and organisational policies and procedures relevant to own</li> </ul>

world of work	4.1-4.3, 5.1, 5.3	role
Get the work done	1.1, 1.2, 2.1, 2.2, 3.4, 5.1, 5.2	<ul style="list-style-type: none"> <li>Follows clearly defined instructions and monitors own progress on tasks</li> <li>Makes routine decisions relevant to immediate task in accordance with job requirements</li> <li>Responds to problems by referring to procedures and implementing required solutions</li> </ul>

## Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICPINK221 Blend chemicals	ICPIM221C Blend chemicals	Updated to meet Standards for Training Packages	Equivalent unit

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a74b7a0f-a253-47e3-8be0-5d426e24131d>