

<b>Title</b>	<b>Demonstrate knowledge of depilation chemistry and depilatory paint preparation used in leather manufacture</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This theory-based unit standard is for experienced people in the fellmongery or leather processing industries.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: the mechanism of sulphide depilation; the preparation of a sulphide depilatory paint; and the reasons why depilatory paint formulations are varied, in leather manufacture.</p>
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<b>Classification</b>	Fellmongery and Leather Processing > Fellmongery Processing Knowledge
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<b>Available grade</b>	Achieved
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### Guidance Information

Legislation relevant to this unit standard includes but is not limited to – Hazardous Substances and New Organisms Act 1996, Health and Safety at Work Act 2015, Resource Management Act 1991.

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### Outcomes and performance criteria

#### Outcome 1

Demonstrate knowledge of the mechanism of sulphide depilation used in leather manufacture.

#### Performance criteria

- 1.1 The constituents of a sulphide based depilatory paint are explained in terms of their function.
- 1.2 The chemical reaction involved in wool loosening is described in terms of using a sulphide depilatory.

#### Outcome 2

Demonstrate knowledge of the preparation of a sulphide depilatory paint used in leather manufacture.

**Performance criteria**

2.1 The process used to make a sulphide depilatory paint is described in terms of equipment and procedure.

Range procedure includes but is not limited to – sulphide solution preparation, paint formulation.

2.2 The procedure used to control the make-up of a depilatory paint is described in terms of measurements and measuring equipment.

**Outcome 3**

Demonstrate knowledge of the reasons why depilatory paint formulations are varied in leather manufacture.

**Performance criteria**

3.1 Different paint formulations are described in terms of reasons for variance.

3.2 An overnight paint and a Quikpul paint are compared in terms of formulation, advantages and risks.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	26 September 2001	31 December 2014
Review	2	24 November 2005	31 December 2014
Review	3	19 June 2009	31 December 2015
Review	4	21 February 2013	31 December 2017
Review	5	20 March 2014	31 December 2019
Review	6	19 February 2015	31 December 2023
Review	7	30 September 2021	31 December 2023

<b>Consent and Moderation Requirements (CMR) reference</b>	0033
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.