

**Specification of Competency Standards for the Automotive Industry**  
**Unit of Competency**

1. Title	Identify typical dangerous chemicals and understand their characteristics
2. Code	AUSDCN101A
3. Range	This unit of competency is applicable to general mechanical workshops, vehicle body and painting workshops, LPG vehicle service workshops, testing sites; car cleaning shops, car parks, parts warehouses and etc. Practitioners should be capable to identify typical dangerous chemicals and understand their characteristics to enhance their awareness in a familiar working environment.
4. Level	1
5. Credits	3(for reference only)
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Understand the categorisation of dangerous chemicals and their characteristics</p> <ul style="list-style-type: none"> <li>◆ Understand the labelling system of dangerous chemicals and their different degrees of danger; also understand the hazard and characteristics of dangerous chemicals mentioned in the Material Safety Data Sheet (MSDS)</li> <li>◆ Understand the characteristics of typical dangerous chemicals in gas, liquid and solid phases in the industry</li> <li>◆ Understand the regulations of environmental protection, dangerous goods and the organisational requirement on environmental protection</li> </ul>

	<p>6.2 Identify various kinds of typical dangerous chemicals</p> <ul style="list-style-type: none"> <li>◆ Capable to notice the existence of typical inflammable substances or combustible gases by visual, smell or direct contact in the absence of relevant labels</li> <li>◆ Capable to identify the typical chemicals used in automotive industry such as fuel, paint, thinner, various kinds of lubricants, coolant, hydraulic oil, cleanser, sulphuric acid, etc. from the inventory record; also capable to identify the categories and labels of chemicals stipulated in the Dangerous Goods (General) Regulations</li> <li>◆ Identify the possible risk of dangerous goods in vehicle parts</li> <li>◆ Identify the potential danger of vehicle exhaust</li> <li>◆ Identify the dangerous chemicals in the vehicles</li> <li>◆ Identify various kinds of pressure vessels and the related accessories in different worksites and understand their dangerous nature</li> <li>◆ Capable to protect the safety of oneself and others with enhanced awareness upon knowing the existence of dangerous chemicals</li> </ul>
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> <li>(i) Capable to identify typical dangerous chemicals and understand their dangerous nature so as to enhance awareness in a familiar industry-related working environment despite the absence of clear labels;</li> <li>(ii) Capable to identify the dangerous chemicals existing in parts or in vehicles; also capable to identify the potential danger of vehicle exhaust; and</li> <li>(iii) Capable to identify the categories and labels of dangerous goods stipulated in the Dangerous Goods (General) Regulations.</li> </ul>
8. Remarks	