

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

1. Title	Handle typical dangerous chemicals, pollutants and waste
2. Code	AUSDCN313A
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, new/old vehicles and parts warehouses and etc. Practitioners should be able to store, deliver, utilise, recover or dispose dangerous chemicals, pollutants and waste appropriately according to the organisation's established procedure for handling chemicals, pollutants and waste.
4. Level	3
5. Credits	6(for reference only)
6. Competency	<p align="center"><u>Performance Requirements</u></p> <p>6.1 Possess basic knowledge of dangerous chemicals, pollutants and waste</p> <ul style="list-style-type: none"> <li>◆ Understand the typical dangerous chemicals in the automotive industry, their labelling system and characteristics</li> <li>◆ Understand the potential problems of typical pollutants in the automotive industry</li> <li>◆ Understand the definition of waste</li> <li>◆ Base on the organisational guidelines and rules, participant should understand the responsibilities and requirements of employers and employees under the Occupational Safety and Health Ordinance; and the technical requirements in relation to one's capacity under the Dangerous Goods Ordinance; the Factories and Industrial Undertakings (Dangerous Substances) Regulations and the Waste Disposal Ordinance</li> </ul>

	<p>6.2 Handle typical dangerous chemicals, pollutants and waste</p>	<ul style="list-style-type: none"> <li>◆ According to the established definition of categorisation by organisation, identify typical dangerous chemicals, pollutants and waste; also understand their potential risks</li> <li>◆ Be familiar with typical dangerous goods such as fuel, organic solvent, paint, lubricants, strong acid, compressed gas cylinders, etc.; capable of reading and understanding their meaning in the Material Safety Data Sheet (MSDS); and understand that there are specific requirements on their storage quantity, storage methods, storage locations, utilization level and place of utilization</li> <li>◆ Evaluate one's own capability in handling dangerous chemicals, pollutants and waste, such as respective knowledge, experience, protective equipment, manpower requirements, emergency and contingency measures as well as first-aid knowledge, etc.</li> <li>◆ Be familiar with the application of different personal protective equipment and select appropriate equipment according to different circumstances</li> <li>◆ Under the circumstances of definite safe and abundant resources, safely handle dangerous chemicals, pollutants and hazardous waste including storage, delivery, utilisation, recovery and disposal of them according to organisational guidelines</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, pollutants and waste; and capable to read and understand the Material Safety Data Sheet (MSDS) of the chemicals;</li> <li>(ii) Under the circumstances of definite safe and abundant resources, capable to select appropriate protective equipment to store, deliver, utilise, recover or dispose dangerous chemicals, pollutants and hazardous waste safely according to organisational guidelines;</li> <li>(iii) Capable to handle all wastes in accordance with the procedure for recovery, temporary storage, disposal of waste and the requirements of environmental protection;</li> <li>(iv) Be familiar with the knowledge of handling accidents and basic first-aid procedure; and implement emergency and contingency measures; and</li> <li>(v) Capable to understand the responsibilities and requirements of employers and employees under the Occupational Safety and Health Ordinance; and the technical requirements under the Dangerous Goods Ordinance, the Factories and Industrial Undertakings (Dangerous Substances) Regulations and the Waste Disposal Ordinance.</li> </ul>
8. Remarks	<p>The credits value of this unit of competency is established under on the presumption that the one concerned has already possessed the capability to identify typical dangerous chemicals in the automotive industry and Be familiar with relevant requirements on environmental protection.</p>