

Specification of Competency Standards
for the Automotive Industry
Unit of Competency

Functional Area - Common Competency

Title	Handle typical dangerous chemicals, pollutants and waste
Code	108803L3
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. 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.
Level	3
Credit	3 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Knowledge (Dangerous chemicals, pollutants and waste)</p> <ul style="list-style-type: none"> • Good understanding of the typical dangerous chemicals in the automotive industry, their labelling system and characteristics. • Good understanding of the potential problems of typical pollutants in the automotive industry. • Good understanding of the definition of waste. • 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. <p>2. Performance (Correct handle typical dangerous chemicals, pollutants and waste)</p> <ul style="list-style-type: none"> • According to the established definition of categorisation by organisation, identify typical dangerous chemicals, pollutants and waste; also understand their potential risks. • 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 Safety Data Sheet (SDS); and understand that there are specific requirements on their storage quantity, storage methods, storage locations, utilization level and place of utilization. • 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. • Be familiar with the application of different personal protective equipment and select appropriate equipment according to different circumstances. • 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. • Be familiar with established measures in handling accidents, emergency and contingency and be equipped with basic first-aid knowledge; and be capable of implementing them at appropriate time. • Be familiar with the potential hazard and polluting nature of typical pollutants; understand that there are specific requirements on the storage, utilization, disposal and delivery of pollutants; and handle them appropriately according to environmental protection requirements. • Comply with the procedure for recovery, temporary storage and disposal of waste; and handle all wastes according to environmental protection requirements.

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Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are that the assessee shall prove that he/she is:</p> <ul style="list-style-type: none"> • Capable of identifying typical dangerous chemicals, pollutants and waste; and capable of reading and understanding the Safety Data Sheet (SDS) of the chemicals; • To the extent that safe and adequate resources are guaranteed, capable of selecting appropriate protective equipment to store, deliver, utilise, recover or dispose dangerous chemicals, pollutants and hazardous waste safely according to organisational guidelines; • Capable of handling all wastes in accordance with the procedure for recovery, temporary storage, disposal of waste and the requirements of environmental protection; • Capable of being familiar with the knowledge of handling accidents and basic first-aid procedure; implementing emergency and contingency measures; and • Capable of understanding 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.
Remark	<p>The credits value of this unit of competency is established under on the presumption that the practitioner being assessed has already possessed the capability to identify typical dangerous chemicals in the automotive industry and Be familiar with relevant requirements on environmental protection.</p> <p>The major relevant legislation/rule involved in this unit of competency is as follows:</p> <ul style="list-style-type: none"> • Waste Disposal (Chemical Waste) (General) Regulation