Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Common Competency

Title	Handle typical dangerous chemicals, pollutants and waste
Code	111659L3
Range	This unit of competency is applicable to vehicle service workshops, testing sites, car care shops, and parts warehouses. Practitioners should be able to handle the dangerous chemicals, pollutants and waste appropriately according to the organisation's established procedure and environmental protection guidelines.
Level	3
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (Dangerous chemicals, pollutants and waste) • Be familiar with the typical dangerous chemicals in the automotive industry, their labelling system and characteristics. • Understand the meaning of the typical dangerous chemicals in the Safety Data Sheet (SDS). • Be familiar with the potential hazard and polluting nature of typical dangerous chemicals and pollutants. • Good understanding of the potential health problems of typical pollutants in the automotive industry. • Good understanding of the definition of waste. • Based on the organisational guidelines and rules, practitioners 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.

	2. Performance (Correctly handle typical dangerous chemicals, pollutants and waste) • 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 chemicals such as gaseous and liquid fuels, pressurised gases, waste lubricating oil, absorbents, the cleaning rags and sand stained with lubricating oil, spent refrigerants, organic solvents and their containers, waste paints and their containers, oil filters stained with lubricating oil, waste batteries, engine coolants, brake linings with asbestos content, etc. • Master the specific requirements on the storage quantity, storage methods, storage locations, utilisation level and place of utilisation of the typical dangerous chemicals. • Evaluate personal 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, emergencies and contingencies and be equipped with basic first-aid knowledge; and be capable of implementing them at an appropriate time. • Identify the proper handling procedures in storage, utilisation, disposal and delivery of typical dangerous chemicals and pollutants in accordance with the environmental protection requirements. • Comply with the handling procedure for recovery, temporary storage and disposal of all wastes in accordance with the environmental protection requirements.
Assessment Criteria	The integrated outcome requirements of this unit of competency are that the practitioner being assessed shall prove that he/she is: • Capable of identifying typical dangerous chemicals, pollutants and waste; and capable of 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 handle the dangerous chemicals, pollutants and hazardous waste safely according to organisational guidelines; • Capable of handling all wastes in accordance with the procedure 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	The credit value of this unit of competency is established 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. The major relevant legislation/rule involved in this unit of competency is as follows: • Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354C). • (This UoC replaced 108803L3)