Specification of Competency Standards
for the Automotive
Unit of Competency

Functional Area - Common Competency

Title	Identify typical dangerous chemicals, understand their characteristics and storage
Code	111655L1
Range	This unit of competency is applicable to general workshops, testing sites, car cleaning shops, car parks, parks, parts warehouses etc. Practitioners should be capable of identifying typical dangerous chemicals and understanding their characteristics to enhance their awareness in a familiar working environment and storage.
Level	1
Credit	3 *(For Reference Only)*
Competency	**Performance Requirements** 1. Knowledge (The categorisation of dangerous chemicals and their characteristics) • 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) • Understand the characteristics of typical dangerous chemicals in gas, liquid and solid phases in the industry • Allowable temporary storage quantity goods (paint, fuel, solvent, etc.) • Understand the regulations of environmental protection, dangerous goods and the organisational requirement on environmental protection 2. Performance (Identify various kinds of typical dangerous chemicals and storage) • Capable to notice the existence of typical inflammable substances or combustible gases by visual, smell or direct contact in the absence of relevant labels • 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 • Identify the possible risk of dangerous goods in vehicle workshop • Identify various kinds of pressure vessels and the related accessories in different worksites and understand their dangerous nature • Execute the established working guidelines on the storage and transportation of dangerous goods • Use the dangerous goods store properly to store and place the dangerous goods in accordance with the Factories and Industrial Undertakings (Dangerous Substances) Regulations, including: ◦ Classification of dangerous goods ◦ Quantity restriction
Assessment Criteria	The integrated outcome requirements of this unit of competency are:
Remark	The relevant ordinances/rules involved in this unit of competency are follows: • Waste Disposal (Chemical Waste) (General) Regulation • Industrial Undertakings (Dangerous Substance) Regulations

	• Dangerous Goods Ordinance. (This UoC replaced 108800L1, 108638L1 and 108639L1)