

SCH/101



FIRE SERVICES DEPARTMENT

**Fire Safety Requirements
for
Laboratory**

1. Portable fire-fighting equipment of the approved type, over and above those installed for the occupation of the building, shall be provided as follows:
 - 1.1 _____ x 9 L water type fire extinguisher(s) at _____;
 - 1.2 _____ x 4.5 kg CO₂ type fire extinguisher(s) at _____; and
 - 1.3 _____ x 1.44 m² fire blanket at _____.
2. The room shall be completely separated from other part of the premises by walls with a minimum of fire resistance rating of 60 minutes. High level ventilation to open-sided corridor/balcony at a height of 1800 mm from floor level may be provided.
3. All exit doors of the room shall be self-closing with a minimum of fire resistance rating of 60 minutes.
4. Fume-cupboards, if provided, shall be adequately ventilated to the open air.
5. Poisonous substances and dangerous substances shall be kept in proper containers clearly marked with the names of the substances and kept in a locked room or cupboard, the key to which shall be kept under the control of the teacher/technician in charge of the laboratory.
6. The air conditioning system, if provided, shall be either window unit type or independent system exclusively servicing the school laboratory.
7. The air-conditioning system shall be able to provide adequate ventilation with fresh air from the outside.
8. The exhaust air from the air-conditioning system shall be directed to the open air.
9. An exhaust system shall be provided and switched on whenever the school laboratory is in use to prevent any accumulation of hazardous vapours.

SCH/101

10. All hazardous operations, e.g. those operations where toxic vapours will be generated or those involving corrosive substances shall be performed inside a fume-cupboard.
11. No storage or use of Dangerous Goods (DG) in excess of the respective general exempt quantity (GEQ) within the meaning of the Dangerous Goods (Application and Exemption) Regulation 2012, Chapter 295E, Laws of Hong Kong is permitted without a licence granted by the Director of Fire Services.
12. Additional Requirements (if any) : -

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